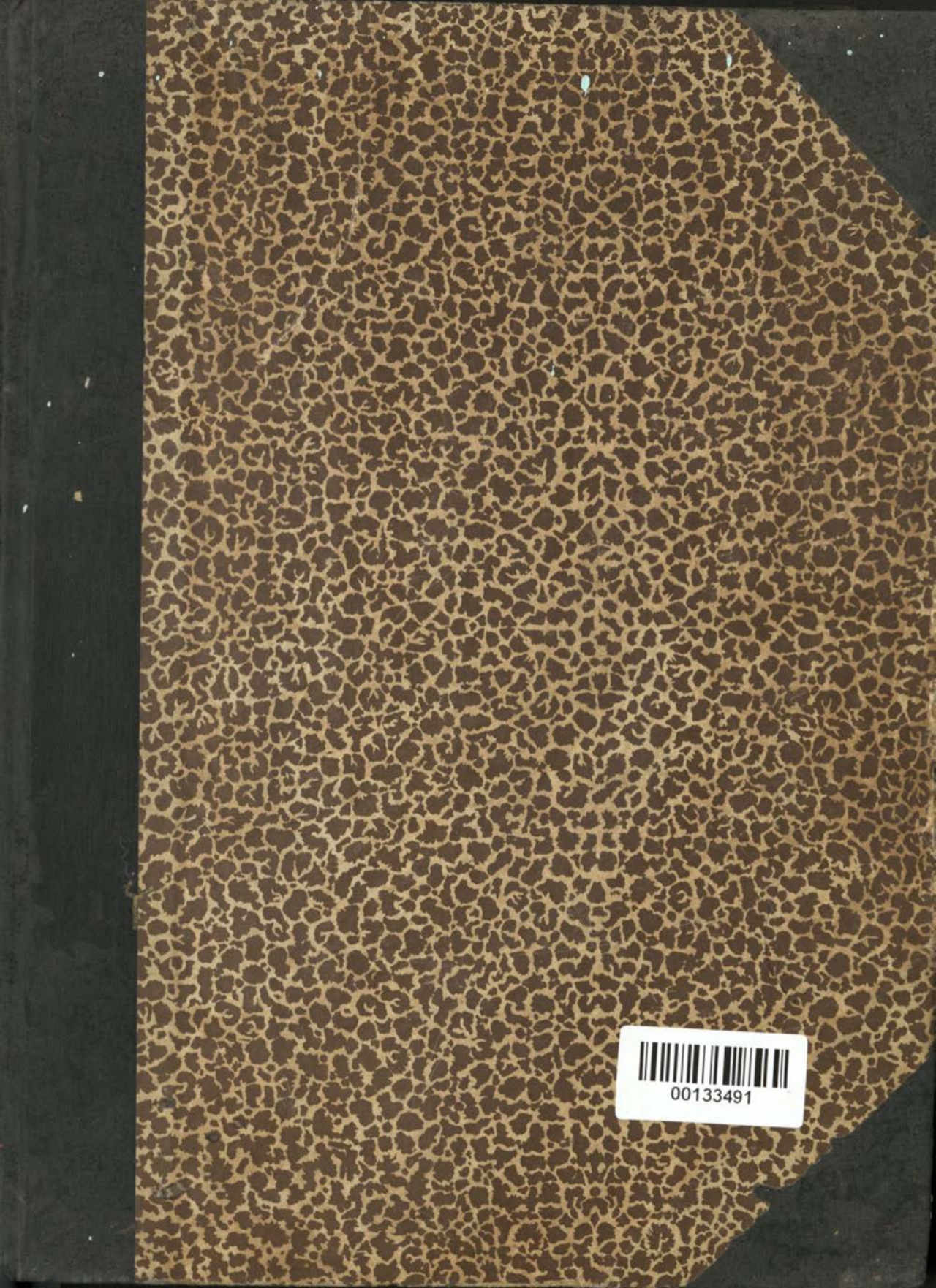
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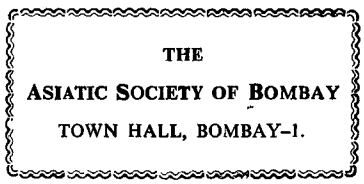

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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

HONORABLE EAST INDIA COMPANY'S OBSERVATORY,

BOMBAY.

1856.

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

HONORABLE EAST INDIA COMPANY'S OBSERVATORY, BOMBAY,

IN THE YEAR 1856,

UNDER THE SUPERINTENDENCE OF

LIEUTENANT E. F. T. FERGUSSON, I. N., F.R.A.S.

Printed by Order of the Honorable the Court of Directors.

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BOMBAY MAGNETICAL OBSERVATORY.

PART I.

MAGNETICAL OBSERVATIONS.

1856.

INTRODUCTION TO THE MAGNETICAL OBSERVATIONS

FOR 1856.

SITUATION OF THE OBSERVATORY.

THE Government Observatory at Bombay is situated nearly at the southern extreme of the Island of Colaba, and consists of several small buildings, in a large compound, entirely walled round. It is bounded on the west by the public road from the Fort of Bombay, on the east by the sea forming the entrance to the Harbour, on the south by the Lighthouse, and on the north by the compound of a private house. Its distance from the Fort is about two miles and a third.

Its latitude is..... + 18° 53′ 30″
Its longitude is..... − 4*h*. 51*m*. 16·32*s*.

The latter being dependent on the longitude of Madras Observatory, supposed to be 5*h*. 20*m*. 57·28*s*., as determined by the late Mr. Taylor, Astronomer.

The "difference of longitude" between Madras and Bombay was determined from triangulations by the grand Trigonometrical Survey of India, the correctness of which was verified by Professor Orlebar when here in 1845-46, and further corroborated from the Astronomical Observations since my assuming charge of the Observatory.

The grounds of the Observatory are well studded with trees, principally Bora trees (Ziziphus lotus), which emit a very offensive odour when in blossom; there are also a few Date, Palm, and Mango trees, one or two Tamarind trees, and several sorts of shrubs.

The soil is partly of greenstone, but principally of reddish earth, of a very productive nature; the latter, however, is not deep, and rests on a rocky foundation, which, in many places, rises above the usual level of the surface. The grounds, though tolerably even in the western half of the compound, have a gradual slope towards the sea in the eastern half, which accomplishes a quick drainage in heavy rains, and thereby prevents undue moisture.

Buildings in the Observatory.—The Magnetical Department of the Observatory consists of six separate buildings; and the Astronomical Department is made of a large Transit-room and two Domes, as described in the preceding volumes. Adjoining the

Transit-room, and connected to it by a covered passage 14 by 9 feet, is a large office 64 feet by 49 feet; this room is used for copying Charts and Plans, and also for keeping a stock of Charts and Mathematical Instruments for the use of the Government Vessels of War, and belongs exclusively to the Hydrographical Department of the Indian Navy. In addition to these buildings I have to add, that a dwelling-house with out-offices is provided for the Superintendent, also one for the First Assistant in the Magnetical Department, and suitable quarters for other Assistants and Observers attached to the Observatory Departments.

Staff of the Observatory.—During the year 1856 the staff of the Observatory was as follows:—

MAGNETICAL DEPARTMENT.

Goverdhun Luxumon C.....	First Assistant.
Sadashive Gungadhur	Second Assistant.
Naro Balcrishna.....	Observer.
Gunesh Narayen*	Observer.
Dondoo Jagunath†.....	Observer.
Narayen Ramchunder.....	Computer.

ASTRONOMICAL DEPARTMENT.

Janardan Ramchunder.

The Astronomical Department, which is principally for the purpose of getting the correct time by observed transits of the stars, and signalling the same by drop of flag to the Shipping in the Harbour at 1h. P. M. (the Observations, however, are not published) is under my immediate and personal superintendence.

In the Magnetical Department the system adopted in the year 1856 was the same as that in 1855.

Besides the duties of the Observatory, the Superintendent is charged with the Hydrographical Department of the Indian Navy. The superintendence of the Observatory is an adjunct to the appointment of the Hydrographer; and the office of the latter being in the Naval Department, both are under the orders of the Commander in Chief of the Indian Navy.

The Results for 1856 were deduced under my direction by the First Assistant, Goverdhun Luxumon C., assisted by the Second Assistant.

The Instruments actually observed in the Magnetical Department are as follows:—

MAGNETICAL INSTRUMENTS.

Declinometers (large and small).

Horizontal Force Magnetometers (large and small), with their attached Thermometers.

* Gunesh Narayen having resigned his situation on the 1st of July, Luxumon Moreshwar was appointed an Observer to fill up the vacancy.

† Dondoo Jagunath having been discharged on the 30th of October, by the order of Government, Krishnajee Appajee was appointed to fill up the vacancy.

Vertical Force Magnetometer, with its attached Thermometer.
Dip Circle.
Apparatus for Deflections.

Meteorological Instruments.*

Barometers Nos. 58 and 48, with their attached Thermometers.
Thermometers (six), in the Thermometer shed.
Wind Anemometers (two), by Osler and Lynd.
Rain Gauges, Nos. 1 and 2.
Electrical Apparatus.
Tidal Apparatus.

Göttingen Mean Time has been strictly adhered to in taking Magnetical Observations, and Bombay Civil Time has been used in observing Meteorological Instruments.

Throughout the year 1856 all the Magnetometers and Meteorological Instruments were observed hourly, duly registered, and curved every day, except on Sundays, Christmas Day, and three or four other holidays.

Besides these, there were the Monthly Term Day Observations; also the Observations of Meteorological and Magnetical Disturbances, when necessity required.

DECLINATION.

The Large Declinometer was obtained from Grubb, of Dublin, and is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840.

The Small Declinometer is the same as the Unifilar Magnetometer described in page 60 of Lieutenant Riddle's "Magnetical Instructions," with the exception that it has no glass bell over it.

THE DIMENSIONS.

The dimensions of the Magnets used are in parts of a foot and grains:—

	Large Declinometer Magnet.	Small Declinometer Magnet.
Length.....	1·25 feet.	2·46 inches.
Breadth	0·0715 „	
Thickness	0·0208 „	0·30 inch.
Weight	62030 grains, Troy.	

These Magnets are suspended by fibres of untwisted silk; the large Magnet with 50 fibres, and the small with 2 fibres.

* The description of Meteorological Instruments will be given in the second part of this volume.

The value of one integer of Scale Reading of large is = 6·841, and of small Magnetometer is = 5·23.

The Zero Point of the

Large Declinometer scale, as determined in January 1856, = 28·3064 Sc. Div.
Small Declinometer scale, as determined in December 1855, = 30·375 Sc. Div.

The Torsion Force of the

Large Declinometer, as determined in January 1856, $= 1 + \frac{H}{F} = 1{\cdot}003009$

Small Declinometer, as determined in December 1855, $= 1 + \frac{H}{F} = 1{\cdot}0022$

For further details, vide Introduction to Magnetical Observations for 1855.

Both of these Magnets, during the year 1856, remained under the same adjustments as the preceding year.

The values of Absolute Declination obtained from the Scale Readings of small Declinometer are considered as differential; they serve as a check on the Observations of the large instrument. The following table shows the Mean Monthly Declination, as obtained from the Scale Readings of Small Declinometer, and its difference with the values calculated from the Reading of Large Declination Magnetometer :—

Months, 1856.	Mean Declination in arc by Small Instrument.	Difference with Large Declinometer Values.	For Seasons.	
January	0°18′18	−0′46	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	0°18′81
February	·19·35	0·39		
March	·19·68	1·00		
April	·19·73	1.16	Mean of {Apr. May, June, July, Aug. Sept.} or Summer	0·19·28
May	·19·56	0·75		
June	·20·12	1·38	Mean of the year	0·19·05
July	·19·14	0·73		
August	·18·71	−0·23		
September	·18·44	−0·41	Greatest monthly mean, in June	0·20·12
October	·18·48	−0·67	Least monthly mean, in January	0·18·18
November	·18·27	−1·30		
December	·18·90	−0·87	Difference	1·94

This table shows the Times of Vibration of the Large Declination Magnetometer in its perfect adjustments, during the year 1856 :—

1856.		Time of one Vibration or t =	Difference.	Remarks.
Months.	Date.			
		Seconds.		
January	30	12·90		
March	4	12·93	+0·03	$1 + \frac{H}{F} = 1{\cdot}003$
April	1	13·00	+ ·06	
May	2	12·80	− ·20	This value is supposed to have remained unaltered.
June		12·80	·00	
July	15	12·82	+ ·02	
September	26	13·00	+ ·18	
November	4	12·96	− ·04	
November	22	12·95	− ·01	
December	23	12·95	·00	

HORIZONTAL FORCE.

The Diurnal Changes of the earth's Magnetic Horizontal Force have been observed hourly, with two Instruments. One, the large Horizontal Force Magnetometer in the large Observatory, is of the same construction as that which is described in the Report of the Royal Society for 1840. The other is the Small Horizontal Force Magnetometer, in the small Observatory, which is of exactly the same description as the Bifilar, described in Lieutenant Riddle's Magnetical Instructions.

The dimensions of the Horizontal Force Magnets are as follows:—

Large Magnet.		Small Magnet.	
Length	= 1·25 feet.	Length	= 2·99 inches.
Breadth.....	= 0·072 „	External diameter	= 0·30 „
Thickness	= 0·021 „	Thickness	= 0·16 „

The Arc Value of one Scale Division of Large Magnet is, *one integer* = 10·933. and 5·53 is the Arc Value of one Division of the Scale of Small Horizontal Force Magnet.

During the year 1856 both the Large and Small Horizontal Force Magnets remained under the same adjustments as the preceding year. The following table shows the times of vibration of the Large Horizontal Force Magnetometer in its perfect adjustment during the year 1856.

1856.		Time of one Vibration or t =	Difference.
Months.	Date.		
		Seconds.	
January	30	16·12	
March.....	4	16·10	−0·02
April	1	16·10	·00
May.....	2	16·10	·00
June		16·13	+ ·03
July.....	15	16·09	− ·04
September	26	16·15	+ ·06
November	4	16·15	·00
November	22	16·15	·00
December.....	23	16·14	− ·01

The above Table shows that no material change has taken place in the times of vibration; therefore the moment of the bar may be supposed to be unaltered from its primary value at the time of adjustment in December 1855.

HORIZONTAL FORCE MAGNETOMETER, AND ITS IRREGULARITIES.

The principal use of this Instrument is to determine the Diurnal and Secular Changes in the Earth's Magnetic Horizontal Force.

In this Instrument the Magnetic Bar is forced to a position at right angles to the Magnetic Meridian, by turning the arms of the Torsion Circle, and the upper extremities of the suspension wire move through a greater angle than the lower extremities, consequently the wires are no longer vertical, and the Magnet, together with its appendages, will be raised. The Forces producing equilibrium will, therefore, be the suspended weight struggling to attain the lowest point, and the Earth's Magnetic Horizontal component of Intensity acting on the free Magnetism of the Bar.

With respect to the suspension wire of the large Magnet, and the suspension thread of the small one, no allowance appears to have been hitherto made for a peculiar twist which is produced in them by remaining, for a certain lapse of time, in one position, or the lengthening of the wires from the same cause: it is considered that owing to this cause the small rise in the Readings of the Large Horizontal Force takes place.

From the foregoing considerations it will be evident, that in order to produce the true values of the changes in the horizontal component of the Earth's Magnetic Force, it is necessary to make the following allowances:—

1st. Allowance for the regular decrease or increase in the Moment of the Bar.
2nd. „ for the decrease or increase in the Moment of the Bar on account of changes in Temperature.
3rd. „ for the effect of Moisture on the suspension threads.
4th „ for the regular loss in the Torsion of the suspension threads.

These corrections are discussed in the following pages.

TEMPERATURE CORRECTIONS.

The Temperature correction for Large Horizontal Force Magnetometer was obtained by comparing the Scale Readings of the Instrument at different Temperatures of attached Thermometer, and finding the mean change for one degree. The following Table shows the Scale Readings at different Temperatures reduced to the constant value of Horizontal Intensity 7·995.

Number of Observations.	The Temperature of attached Thermometer.	Scale Readings of Large Horizontal Force reduced to 7·995.	Difference.	Remarks.
		SC. DIV.		
1	79°4	18·08		The first line is not used, as it depends upon one day's observations.
4	80·4	17·12	−0·96	
2	81·6	17·65	− ·43	
2	82·3	17·35	− ·30	
8	83·3	17·13	− ·22	
3	84·6	16·95	− ·16	
6	85·5	16·86	− ·09	
9	87.6	16·71	− ·15	
3	88·2	16·53	− ·18	
1	89·0	16·48	− ·05	This quantity is omitted in calculations.
4	90·1	16·50	+ ·02	

The first eleven months of this year are only used in finding out this correction. The correction obtained from the above differences is = 0·184 in scale divisions.

The Temperature correction for the Small Horizontal Force was calculated in the same manner; the result obtained was $\theta' = 0{\cdot}527$ in scale divisions of Small Instruments.

In the actual calculations, however, made during this year, 0·20 has been the assumed effect of Temperature on the Scale Readings of Large Horizontal Force Magnet.

EFFECT OF MOISTURE.

The Scale Readings of Large Horizontal Force, which is suspended by a silver wire, are supposed not to be affected by Atmospheric Moisture; but the Scale Readings of Small Horizontal Force are constantly affected by the changes of Moisture. This has been fully discussed in the Volume for 1848.

The necessary correction of Moisture, as ascertained from the Scale Values of Small Horizontal Force in the year 1856, is $\theta = 0{\cdot}7353$; the zero point of Depression of Wet Bulb is assumed to be 6°0.

GAIN AND LOSS OF MAGNETISM IN THE MAGNETS OF THE LARGE AND SMALL HORIZONTAL FORCE MAGNETOMETERS.

The small hollow cylindrical Magnet (H·36), used in the Small Horizontal Force Magnetometer, is subject to a constant loss of Magnetism ever since it has been in use, and the same may be said of all the other small Magnets. The Mean Monthly change in the time of Vibration of the Small Horizontal Force is supposed to be 0·0028 second.

The Large Horizontal Force Magnetometer has been now in operation for nearly fifteen years, and it has always indicated an increase of force from year to year.

It has been already noticed that the silver suspending wire of the Large Horizontal Force Magnetometer, after a lapse of time, becomes peculiarly, though perhaps slightly, twisted, and also lengthens, or loses its inherent elastic force; and if such be the case, the Scale Readings would apparently increase. This point would have been ascertained had the time of one Vibration of the Magnet (suspended by a single wire at each new adjustment of the Instrument) been known; but as this could not be accomplished, the question yet remains unsettled. From this it appears, that the increase in the Readings of the Large Horizontal Force Magnetometer is owing to any one of the following causes:—

An increase in the Magnetic Horizontal Force of the Earth.

An increase in the Magnetic Moment of the Bar.

Or from the loss of the inherent elastic power, or the lengthening of the silver wire by which the Magnet is suspended.

CHANGES IN THE MOMENTS OF MAGNETS.

The Intensity Calculations are made on the supposition that the increase or decrease of Scale Reading, in the Large Horizontal Force Magnetometer, goes on regularly throughout a year; but this is far from being the case, as these changes are sometimes

very irregular. During the year 1856 the daily increase in the Scale Readings of Large Horizontal Force was about 0·0012, and in the Scale Readings of Small the increase was about 0·0078 for each day.

REDUCTION OF THE OBSERVATIONS OF THE HORIZONTAL FORCE MAGNETOMETER.

It has been clearly shown, in the foregoing investigations, that the Scale Readings of the Horizontal Force Magnetometer are subject to various changes, arising from causes quite distinct from the Earth's Magnetic Force, such as Temperature and Moisture; the changes produced from these local causes must, therefore, be allowed for, before the true changes in the Earth's Magnetic Force can be determined.

The notation used in the following formula was the same as adopted in the preceding years:—

$$\frac{\delta x}{X} = k \{ f - Q (t^\circ - 80^\circ) - PN - F \}$$

In the calculation of the absolute Horizontal Intensity, from the Scale Readings of the Horizontal Force Magnetometer, the following formula was used:—

$$X + \delta x = 8{\cdot}024 + 0{\cdot}0164 \{ f - 0{\cdot}00\,N + 0{\cdot}20\,(t^\bullet - 80^\circ) - 18{\cdot}00 \}$$

The Intensity calculated from this formula will be the Absolute Measure of Intensity, in English Units, which is given in the Hourly Observations of this year.

The method adopted in this Observatory, which gives the changes of the Earth's Magnetic Force in Absolute Measure, differs from all the other Observatories, as they give the changes *in parts* of the whole Horizontal Force.

EFFECT OF THE ATMOSPHERE ON THE MAGNETIC INTENSITY OF THE EARTH.

The Scale Readings of the Horizontal Force Magnetometer were reduced for all corrections, viz. Temperature effect, Instrumental and incidental errors; and from the Readings, so corrected, were found the Absolute Values of the Horizontal Intensity. Now it is necessary to remark that the Intensity thus obtained was found to be still affected by the Temperature, not as indicated by the attached Thermometer, but of the external and circumambient air. It was supposed, that the circumambient air was Magnetic, and that its Magnetism was either inherent or induced by the Earth.

Comparisons made during the year 1856 showed that a change of 1° in the Temperature of External Air produces a change of 0·00178 in Values of Absolute Horizontal Force.

The Horizontal Intensity in the Results is corrected by the formula:—

$$T = - 0{\cdot}0018\,(t - 80)$$

in which T denotes the correction and t° the Temperature of circumambient air.

ABSOLUTE DETERMINATION OF HORIZONTAL FORCE.

The Instrument used for the purpose of Deflections is the Small Declinometer in the Small Magnetic Observatory; and that which is used for the Vibrations is

another Small (Declination) Instrument, fixed in the North-Eastern angle of the same Observatory.

The Observations were made according to the method of Professor Gauss, and also the notation used was the same. The Deflected Magnet is a small solid cylinder (marked I·11), 2·46 inches long; and the Deflecting and Vibrated Magnet is also a solid cylinder (marked A·51), 3·00 inches long.

The Determinations were made once a week, at about 20*h*. Göttingen Mean Solar Time, or Noon Bombay Mean Time. The time occupied in making these Observations on any day was about one hour: during this period the changes both of Temperature and Horizontal Force were very slight, so that no error affected the resulting Values when the corrections on account of Temperature and Change of Horizontal Force were considered as nothing.

The Absolute Value of Horizontal Force, obtained in English Units, has been calculated by the formula—

$$X = \frac{\pi}{t}\sqrt{\frac{2}{1+k}\,\frac{K}{R^3 \tan u}}$$

The Moment of Inertia of the solid Cylinder Magnet (A·51), as determined in December 1855, was 2·250, but in the actual calculations of Horizontal Intensity of this year the old value 2·254 was used without any alteration.

Probable error of an Observation of Absolute Determination of Horizontal Force, as explained in the Volume of 1848, is about 0·008.

Mean Monthly Horizontal Force of 1856, as obtained from the Absolute Determinations, is given in the following table :—

1856.		L.M.	X Or Horizontal Intensity in E. Units.	Corresponding Reading of Large Horizontal Force.		Torsion Force.		Number of Observations.
Months.	Mean Date.			Large Hor. Force Magnetometer.	Attached Thermometer.	A·51.	I·11.	
January	15	0·0856	8·031	19·05	80°9	1·0013	1·0022	4
February	15	0·0857	8·030	19·89	81·5	1·0014	1·0024	5
March	16	0·0855	8·032	18·96	86·8	1·0012	1·0018	3
April	15	0·0858	8·029	18·87	87·9	1·0013	1·0019	4
May	16	0·0854	8·023	18·42	89·6	1·0011	1·0020	5
June	15	0·0854	8·025	18·69	86·6	1·0009	1·0015	5
July	14	0·0853	8·033	18·67	85·7	1·0010	1·0016	2
August	16	0·0843	8·025	18·62	83·7	1·0011	1·0017	4
September	14	0·0841	8·025	19·00	84·1	1·0017	1·0016	3
October	18	0·0840	8·026	19·06	84·9	1·0012	1·0021	4
November	17	0·0840	8·025	18·95	84·2	1·0015	1·0022	4
December	15	0·0840	8·030	19·45	85·6	1·0013	1·0024	4
Yearly Mean	..	0·0849	8·028	18·97	85·0	1·0012	1·0019	..

The Monthly Values of Horizontal Intensity are accompanied by the corresponding Scale Readings of the Large Horizontal Force Magnetometer; they indicate the reading uncorrected at the middle time of Absolute Determination.

The Magnetic Moment of the Deflecting Magnet (A·51) is also given along with the Absolute Values of Horizontal Force; it has been calculated by the formula—

$$LM = XR^3 \tan u \left(\frac{1+k}{4}\right)$$

The Small Horizontal Force Magnetometer serves only as a check on the Observations of the Large Horizontal Force Magnetometer; and as the Small Instrument works under various disadvantages, no results have been calculated from its Scale Values.

The Monthly Values of Intensity obtained from the Scale Reading of small Horizontal Force are given in the following table, which will show at a glance how much do the values obtained from the small differ from values obtained from the large.

Months, 1856.	Mean Monthly Readings of Horizontal Force.		Absolute Horizontal Intensity, corrected for Temperatue and Moisture.	Excess of the Monthly Mean Intensity above the Values of Large Horizontal Force.	For Seasons.	
	Scale Reading.	Attached Thermometer.				
			E. Un.	E. Un.		
January	18·80	76°4	7·998	−0·024	Mean for {Jan. Feb. Mar. / Oct. Nov. Dec.} Winter ..	8·020
February	19·16	77·1	8·010	− ·011		
March	18·95	81·2	8·021	·002		
April	18·54	84·1	8·038	·021	Mean for {April, May, June, / July, Aug. Sept.} Summer..	8·023
May	18·22	85·4	8·044	·029		
June	18·49	82·5	8·020	·017	Annual mean....	8·021
July	18·67	80·9	8·012	− ·012		
August	17·97	80·3	8·013	− ·004		
September	17·15	79·7	8·011	·000	Greatest monthly mean, in May	8·044
October	17·59	80·6	8·026	·016	Least monthly mean, in January	7·998
November	18·08	78·8	8·041	·023		
December	18·43	75·5	8·023	·006	Difference.....	0·046

VERTICAL FORCE MAGNETOMETER.

In the centre of a marble slab, 18 inches long by 11 inches broad, is fixed a copper frame-work, surmounted by two agate planes, upon which the knife-edged axle of the Bar Magnet rests. The dimensions of the Magnet Bar are as follows:—

Length	15·00	inches.
Breadth	1·25	,,
Thickness	0·25	,,

Temperature correction:—The Temperature effect is assumed to be 0·03 in Scale Divisions for one degree of Fahr.; this value was used during the year 1856 without any alteration.

Centre of Gravity:—The best position for keeping the handle of Y supports is between 30° and 50° South, as in that position it seems to produce no changeable effect either on the Scale Readings or on the times of Vibration.

Time of Vibration:—The time of Vibration in the Horizontal plane is assumed to be 13· seconds; the time of Vibration in the Vertical plane has been carefully observed in each month of the year 1856.

The following table gives the Monthly Values of the times of Vibration of Vertical Force Magnetometer.

1856.		Time of one Vibration or t =	Difference.	Remarks.
Months.	Date.			
		Seconds.		
January	30	11·10		
March	4	10·97	−0·13	
April	1	11·18	+0·21	
May.....	2	11·07	−0·11	The magnet becomes sluggish in its movements in the rainy season, no doubt from the damp of atmospheric air.
June	...	11·10	+0·03	
July.....	15	11·05	−0·05	
September	26	9·00	−2·05	
October	17	10·30	+1·30	
November	4	10·16	−0·14	
November	22	10·17	+0·01	
December	23	10·22	+0·05	

OCCASIONAL ADJUSTMENTS.

It was thought necessary to adjust the Instrument on the 15th of July 1856, the time of one Vibration in the Vertical plane was equal to 8·55, being about 2·5 seconds lower than the time at the first adjustment in December 1855.

The magnet and its axle were cleaned of their slight corrosive matter at 19*h*. G. M. T. and set on the Y supports, but it was found to give readings beyond the range of the scale; the Micrometer screws on both ends were therefore slightly moved and the Magnet was brought to a position as to obtain the readings about the middle of the scale. The time of one Vibration in this position was equal to 11·05 seconds, which was considered near enough to the calculated time. The box of the Instrument was closed at 20*h*. G. M. T., and Hourly Observations commenced.

Scale Reading 37·45. Attached Thermometer 83·4 before the adjustment.
Scale Reading 30·13. Attached Thermometer 85·0 after the adjustment.

17th October. The Magnet had become so sluggish in its movements as to give a curve nearly equal to a straight line. The Magnet was therefore carefully cleaned, and necessary adjustments performed at about 20*h*. G. M. T. The time of one Vibration in the Vertical plane was 10·3 seconds; this Value was little shorter than the Time obtained at the last adjustment in July.

Scale Reading 33·08. Attached Thermometer 84·0 before the adjustment.
Scale Reading 19·00. Attached Thermometer 85·0 after the adjustment.

THE INCLINATION.

The Dip Circle, which has now been in use for four years, was observed bi-weekly throughout the year 1856. It is made by Barrow, of London, and is similar in construction to Gambey's Circle.

The construction of the instrument, and the method of registering the Observations, are given in the Introduction to the Volume for 1852, under the head "Inclination."

The Inclination given in the Hourly Observation was deduced from the Mean Absolute Values of Horizontal and Vertical Intensities, as obtained by means of the Large Horizontal and Vertical Force Magnetometers, which are of course affected with Instrumental errors.

The Inclination was calculated by the formula— $\tan \theta = \frac{Y}{X}$

The following table shows the Mean Monthly Values of Observed Dip (by Henry Barrow's Dip Circle) in the year 1856.

Months, 1856.	Mean Monthly Observed Dip.	Number of Observations.	For Seasons.	
January	19°24'3	8	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. }	19°04'5
February	18·59·0	8		
March	18·54·4	8		
April	19·06·3	9	Mean of { Apr. May, June, / July, Aug. Sept. }	19·04·8
May.....	19·12·7	9		
June.....	19·07·5	9		
July.....	19·05·4	9	Mean of the year	19·04·7
August.....	18·59·6	8		
September	18·57·5	7	Greatest monthly mean, in January.	19°24'3
October	18·56·5	7	Least monthly mean, in March....	18·54·4
November	19·05·9	8		
December.....	19·07·0	9	Difference.....	0·29·9

TOTAL INTENSITY.

This was obtained by means of the Horizontal Intensity, calculated from the Scale Readings of the Large Horizontal Force Magnetometer, and the Dip deduced from the Vertical and Horizontal Intensities, by the formula—

$$R = X \sec. \theta$$

BOMBAY MAGNETICAL OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1856.

DAILY OBSERVATIONS FROM 1ST TO 3RD JANUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 1ST—Noon	18'196	18.43	84°2	42.52	84°0	8.0274	2.8211	19°22'6	N	4 12 p. m.
1	18.064	18.19	82.7	42.70	83.4	.0255	.8231	19.23.5	D	5 12 ,,
2	18.756	18.09	81.2	42.92	82.3	.0247	.8255	19.24.6	D	6 12 ,,
3	18.659	17.83	80.9	43.20	81.7	.0226	.8286	19.26.0	D	7 12 ,,
4	18.531	17.73	80.4	43.33	81.0	.0218	.8300	19.26.7	D	8 12 ,,
5	19.057	17.90	79.8	43.39	80.2	.0232	.8316	19.27.2	G	9 12 ,,
6	18.893	17.78	79.0	43.69	79.7	.0222	.8339	19.28.2	G	10 12 ,,
7	18.779	17.64	78.4	43.77	79.0	.0211	.8348	19.28.8	G	11 12 ,,
8	18.759	17.81	78.4	43.97	78.9	.0225	.8370	19.29.3	G	Midnight.
9	18.989	17.76	77.9	44.06	78.8	.0226	.8380	19.29.8	N	1 12 a. m.
10	18.694	17.62	77.3	44.14	78.0	.0210	.8389	19.30.3	N	2 12 ,,
11	18.239	17.71	77.2	44.24	78.0	.0217	.8400	19.30.6	N	3 12 ,,
12	17.780	17.81	77.0	44.39	77.5	.0225	.8416	19.32.1	N	4 12 ,,
13	17.924	17.76	76.3	44.51	77.0	.0217	.8430	19.31.8	D	5 12 ,,
14	18.119	17.68	75.9	44.60	76.8	.0214	.8440	19.32.4	D	6 12 ,,
15	17.799	17.85	76.0	44.65	76.7	.0228	.8445	19.32.3	D	7 12 ,,
16	18.361	18.28	76.9	44.92	77.2	.0262	.8475	19.33.0	D	8 12 ,,
17	19.511	18.53	78.2	44.70	77.3	.0282	.8451	19.31.9	G	9 12 ,,
18	18.059	18.95	79.5	44.02	78.0	.0316	.8376	19.28.3	G	10 12 ,,
19	17.554	19.04	80.8	43.78	79.2	.0323	.8349	19.27.3	G	11 12 ,,
20	17.049	19.12	82.4	43.52	80.8	.0326	.8321	19.26.1	G	Noon.
21	17.479	19.01	83.8	43.36	82.0	.0317	.8303	19.25.5	N	1 12 p. m.
22	18.134	18.97	85.0	43.20	83.0	.0314	.8286	19.25.0	N	2 12 ,,
23	18.159	18.91	85.9	42.93	85.0	.0309	.8256	19.23.9	N	3 12 ,,
JAN. 2ND—Noon	17.646	18.56	85.5	42.62	84.1	.0285	.8222	19.22.7	N	4 12 ,,
1	17.481	18.34	83.7	42.71	83.7	.0267	.8232	19.23.4	D	5 12 ,,
2	17.950	18.03	81.9	42.97	82.4	.0242	.8260	19.24.9	D	6 12 ,,
3	17.889	18.09	81.2	43.30	81.8	.0247	.8297	19.26.2	D	7 12 ,,
4	17.825	17.94	80.7	43.39	81.3	.0235	.8316	19.27.1	D	8 12 ,,
5	18.194	17.93	80.0	43.52	80.4	.0234	.8321	19.27.4	G	9 12 ,,
6	18.083	17.81	79.1	43.77	79.8	.0225	.8348	19.28.5	G	10 12 ,,
7	18.106	17.76	78.2	43.83	79.0	.0221	.8355	19.28.9	G	11 12 ,,
8	18.053	18.35	78.3	44.05	78.9	.0268	.8379	19.29.1	G	Midnight.
9	18.179	17.90	78.0	44.22	78.5	.0232	.8398	19.30.4	N	1 12 a. m.
10	17.934	17.87	77.6	44.20	78.0	.0230	.8396	19.30.3	N	2 12 ,,
11	17.603	17.87	77.2	44.38	77.8	.0230	.8415	19.31.1	N	3 12 ,,
12	17.258	17.88	76.9	44.52	77.2	.0230	.8431	19.31.7	N	4 12 ,,
13	17.428	17.73	76.4	44.51	77.0	.0218	.8430	19.31.8	D	5 12 ,,
14	17.569	17.99	76.2	44.75	76.8	.0239	.8456	19.32.6	D	6 12 ,,
15	17.423	18.04	76.7	44.91	76.9	.0243	.8474	19.33.2	D	7 12 ,,
16	18.315	18.24	77.2	45.17	77.3	.0260	.8502	19.34.0	D	8 12 ,,
17	19.025	18.56	78.9	45.01	77.7	.0285	.8485	19.33.0	G	9 12 ,,
18	17.856	18.75	80.6	44.36	78.8	.0300	.8413	19.30.2	G	10 12 ,,
19	16.704	18.81	81.5	43.79	79.7	.0305	.8350	19.27.6	G	11 12 ,,
20	16.323	18.92	82.7	43.65	80.9	.0314	.8335	19.27.0	G	Noon.
21	17.043	18.96	83.6	43.36	82.0	.0317	.8303	19.25.5	N	1 12 p. m.
22	17.845	18.74	84.0	43.26	82.7	.0300	.8292	19.25.3	N	2 12 ,,
23	17.956	18.81	84.7	43.11	83.7	.0305	.8276	19.24.6	N	3 12 ,,
JAN. 3RD—Noon	17.096	18.73	84.8	42.81	83.8	.0358	.8243	19.22.7	N	4 12 ,,
1	16.898	18.61	83.8	42.79	83.0	.0339	.8240	19.22.9	D	5 12 ,,
2	17.144	18.49	82.7	43.03	82.7	.0321	.8267	19.24.1	D	6 12 ,,
3	17.119	18.33	82.1	43.26	82.1	.0292	.8288	19.25.3	D	7 12 ,,
4	17.119	18.21	81.3	43.35	81.7	.0272	.8302	19.26.0	D	8 12 ,,
5	17.331	18.04	80.4	43.69	80.9	.0243	.8339	19.28.0	G	9 12 ,,
6	17.273	18.07	80.0	43.62	80.5	.0246	.8332	19.27.5	G	10 12 ,,
7	17.433	18.00	79.5	43.72	80.0	.0240	.8343	19.28.2	G	11 12 ,,
8	17.347	18.04	79.7	43.90	79.9	.0259	.8363	19.28.6	G	Midnight.
9	17.369	18.02	79.3	44.04	79.7	.0242	.8378	19.29.5	N	1 12 a. m.
10	17.174	18.25	79.0	44.03	79.2	.0270	.8377	19.29.1	N	2 12 ,,
11	16.967	18.17	78.8	44.12	79.0	.0298	.8387	19.29.1	N	3 12 ,,

On the 3rd, at about 18h., Dip as obtained by Observation was 19°05'9.

DAILY OBSERVATIONS FROM 3RD TO 6TH JANUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 3RD—12	16·728	18.05	78·4	44.22	78·9	8.0244	2.8398	19°30′3	N	4 12 a. m.
13	16.932	17.82	78.1	44.26	78.5	.0206	.8402	19.30.8	D	5 12 „
14	17.019	18.20	78.0	44.45	78.3	.0273	.8423	19.30.9	D	6 12 „
15	17.047	18.09	77.7	44.54	78.1	.0248	.8443	19.31.9	D	7 12 „
16	18.269	18.20	78.5	44.65	78.3	.0306	.8445	19.31.3	D	8 12 „
17	19.139	18.67	80.0	44.46	78.7	.0350	.8424	19.29.8	G	9 12 „
18	17.653	18.90	80.8	44.10	79.3	.0367	.8385	19.28.1	G	10 12 „
19	15.854	19.17	82.0	43.67	80.2	.0402	.8337	19.25.9	G	11 12 „
20	15.597	19.14	83.0	43.34	81.3	.0426	.8301	19.24.0	G	Noon.
21	16.607	19.05	83.5	43.26	82.0	.0413	.8292	19.23.9	N	1 12 p. m.
22	17.555	18.85	83.5	43.27	82.4	.0379	.8293	19.24.4	N	2 12 „
23	17.753	18.85	83.7	43.29	83.0	.0379	.8295	19.24.5	N	3 12 „
JAN. 4TH—Noon	16.547	18.68	83.2	43.21	83.0	.0367	.8287	19.25.3	N	4 12 „
1	16.315	18.37	82.1	43.08	82.7	.0301	.8272	19.24.5	D	5 12 „
2	16.337	18.41	81.8	43.31	81.9	.0304	.8298	19.25.6	D	6 12 „
3	16.350	18.29	81.4	43.40	81.7	.0267	.8308	19.26.4	D	7 12 „
4	16.412	18.27	81.1	43.54	81.2	.0264	.8323	19.27.1	D	8 12 „
5	16.463	18.22	80.7	43.57	80.7	.0265	.8326	19.27.1	G	9 12 „
6	16.464	18.24	80.1	43.73	80.3	.0267	.8344	19.27.8	G	10 12 „
7	16.760	18.23	79.9	43.80	80.0	.0267	.8352	19.28.1	G	11 12 „
8	16.640	18.11	79.4	43.89	79.6	.0256	.8361	19.28.5	G	Midnight.
9	16.560	18.15	79.0	43.97	79.0	.0258	.8370	19.28.9	N	1 12 a. m.
10	16.415	18.14	78.5	44.07	79.0	.0259	.8381	19.29.3	N	2 12 „
11	16.330	17.95	77.3	44.15	78.2	.0244	.8390	19.30.0	N	3 12 „
12	16.199	17.94	77.0	44.33	77.8	.0243	.8410	19.30.8	N	4 12 „
13	16.435	17.79	76.7	44.43	77.5	.0183	.8421	19.32.0	D	5 12 „
14	16.470	18.00	76.5	44.58	79.3	.0240	.8437	19.31.9	D	6 12 „
15	16.670	18.01	75.8	44.76	78.8	.0240	.8457	19.32.7	D	7 12 „
16	18.232	18.44	77.7	45.05	78.3	.0308	.8489	19.32.9	D	8 12 „
17	18.952	18.70	78.7	44.60	77.9	.0354	.8440	19.30.5	G	9 12 „
18	17.450	18.93	80.0	43.77	78.9	.0390	.8348	19.26.4	G	10 12 „
19	15.005	19.07	81.0	43.39	79.6	.0409	.8306	19.24.5	G	11 12 „
20	14.870	19.01	80.9	43.60	80.0	.0404	.8330	19.25.6	G	Noon.
21	16.200	18.78	81.2	43.86	80.2	.0367	.8358	19.27.1	N	1 12 p. m.
22	17.265	18.75	81.8	43.64	81.0	.0362	.8334	19.26.2	N	2 12 „
23	17.550	18.71	82.0	43.35	81.7	.0356	.8302	19.24.9	N	3 12 „
JAN. 6TH—Noon	17.857	18.61	83.0	43.14	82.9	.0338	.8279	19.24.3	D	4 12 „
1	17.555	18.33	81.4	43.07	82.3	.0291	.8271	19.24.6	D	5 12 „
2	17.527	18.14	80.2	43.22	80.8	.0259	.8288	19.25.7	D	6 12 „
3	17.800	18.06	79.8	43.51	80.2	.0253	.8320	19.27.1	D	7 12 „
4	17.932	18.14	79.7	43.60	80.0	.0259	.8330	19.27.4	D	8 12 „
5	18.038	17.98	78.7	43.70	79.3	.0246	.8341	19.27.9	G	9 12 „
6	18.014	17.94	78.0	43.91	79.0	.0244	.8364	19.28.9	G	10 12 „
7	17.920	17.94	77.4	44.05	78.4	.0244	.8379	19.29.5	G	11 12 „
8	18.000	17.89	76.7	44.22	77.9	.0237	.8398	19.30.3	G	Midnight.
9	17.870	17.86	76.5	44.29	77.5	.0235	.8401	19.30.4	N	1 12 a. m.
10	17.835	17.94	76.0	44.42	77.2	.0243	.8420	19.31.2	N	2 12 „
11	17.370	17.84	75.5	44.52	76.8	.0239	.8429	19.31.5	N	3 12 „
12	17.969	17.90	75.5	44.64	76.5	.0240	.8444	19.32.1	N	4 12 „
13	18.155	18.10	76.0	44.69	76.4	.0356	.8449	19.32.0	D	5 12 „
14	18.140	18.15	76.0	44.70	76.5	.0360	.8451	19.30.8	D	6 12 „
15	17.240	18.16	75.8	44.90	76.7	.0361	.8473	19.31.6	D	7 12 „
16	18.382	18.41	76.8	45.06	76.9	.0365	.8490	19.32.2	D	8 12 „
17	19.482	18.64	78.0	44.81	77.0	.0371	.8463	19.31.1	G	9 12 „
18	18.440	18.95	79.2	44.13	77.8	.0391	.8388	19.27.9	G	10 12 „
19	16.365	19.02	80.5	43.63	79.0	.0403	.8333	19.25.7	G	11 12 „
20	16.280	19.17	82.5	43.50	80.7	.0419	.8309	19.24.8	G	Noon.
21	16.560	18.95	83.0	43.38	81.0	.0391	.8305	19.24.7	N	1 12 p. m.
22	17.265	18.70	83.5	43.31	82.0	.0354	.8298	19.24.9	N	2 12 „
23	17.820	18.46	83.5	43.28	82.5	.0326	.8294	19.25.0	N	3 12 „

On the 4th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 7TH TO 9TH JANUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 7TH—Noon	18'217	18.51	83°5	42.93	82°7	8.0321	2.8256	19°23'7	N	4 12 p. m.
1	17.615	18.83	82.1	42.75	81.8	.0375	.8236	19.22.2	D	5 12 ,,
2	17.577	18.73	80.9	42.99	81.4	.0358	.8262	19.23.3	D	6 12 ,,
3	17.700	18.71	80.3	43.23	80.9	.0355	.8289	19.24.4	D	7 12 ,,
4	17.932	18.68	79.9	43.31	80.3	.0350	.8298	19.24.9	D	8 12 ,,
5	17.938	18.65	79.5	43.42	80.0	.0346	.8310	19.25.4	G	9 12 ,,
6	17.934	19.02	79.0	43.54	79.8	.0406	.8334	19.25.6	G	10 12 ,,
7	17.800	18.79	79.1	43.67	79.5	.0378	.8348	19.26.6	G	11 12 ,,
8	18.000	18.84	79.1	43.78	79.3	.0379	.8349	19.26.6	G	Midnight.
9	18.130	18.53	78.7	43.77	79.0	.0315	.8348	19.27.3	N	1 12 a. m.
10	17.935	18.59	78.3	43.87	78.9	.0335	.8359	19.27.5	N	2 12 ,,
11	17.800	18.50	78.0	43.88	78.8	.0321	.8360	19.27.7	N	3 12 ,,
12	17.769	18.73	77.9	44.27	78.4	.0342	.8403	18.29.2	N	4 12 ,,
13	17.525	18.71	77.3	44.34	78.1	.0339	.8411	19.29.5	D	5 12 ,,
14	17.610	18.74	77.2	44.04	77.9	.0344	.8378	19.28.2	D	6 12 ,,
15	16.670	18.65	77.0	44.13	77.5	.0346	.8389	19.28.4	D	7 12 ,,
16	17.072	18.88	77.9	44.35	78.3	.0383	.8412	19.29.0	D	8 12 ,,
17	17.232	19.20	79.5	44.16	78.8	.0426	.8391	19.27.5	G	9 12 ,,
18	16.560	19.42	81.0	43.61	79.6	.0472	.8331	19.24.7	G	10 12 ,,
19	16.055	19.50	81.9	43.32	80.4	.0475	.8299	19.23.3	G	11 12 ,,
20	15.970	19.66	82.9	43.02	81.4	.0513	.8266	19.21.6	G	Noon.
21	16.820	19.73	84.4	42.94	83.0	.0524	.8257	19.21.2	N	1 12 p. m.
22	17.795	19.57	85.8	42.68	84.0	.0496	.8228	19.20.3	N	2 12 ,,
23	18.340	19.35	85.6	42.53	84.3	.0461	.8212	19.20.1	N	3 12 ,,
JAN. 8TH—Noon	18.217	19.05	84.8	42.35	84.0	.0411	.8192	19.20.0	N	4 12 ,,
1	18.405	18.54	83.7	42.36	83.5	.0327	.8193	19.21.1	D	5 12 ,,
2	18.427	18.39	82.8	42.59	82.9	.0303	.8218	19.22.5	D	6 12 ,,
3	18.286	18.28	81.9	42.77	82.3	.0284	.8238	19.23.6	D	7 12 ,,
4	18.342	18.21	80.8	42.91	81.9	.0274	.8254	19.24.3	D	8 12 ,,
5	18.458	18.17	80.1	43.04	81.3	.0267	.8268	19.24.8	G	9 12 ,,
6	18.454	18.21	79.8	43.26	80.4	.0273	.8292	19.25.7	G	10 12 ,,
7	18.440	18.26	79.5	43.38	80.0	.0282	.8305	19.26.2	G	11 12 ,,
8	18.420	18.34	79.4	43.50	80.0	.0295	.8319	19.26.4	G	Midnight.
9	18.280	18.25	79.0	43.59	79.8	.0280	.8328	19.27.1	N	1 12 a. m.
10	18.035	18.26	78.9	43.58	79.2	.0282	.8327	19.27.1	N	2 12 ,,
11	18.000	18.18	18.5	43.62	79.0	.0268	.8332	19.27.3	N	3 12 ,,
12	18.769	18.13	77.9	43.71	78.8	.0260	.8342	19.27.8	N	4 12 ,,
13	17.575	18.13	77.9	43.85	78.3	.0260	.8357	19.28.5	D	5 12 ,,
14	17.880	18.06	77.3	43.94	78.0	.0245	.8367	19.28.9	D	6 12 ,,
15	17.600	18.14	77.2	44.14	77.9	.0254	.8389	19.29.7	D	7 12 ,,
16	19.012	18.43	77.9	44.44	78.0	.0309	.8422	19.30.3	D	8 12 ,,
17	19.382	18.65	79.0	43.95	78.4	.0346	.8368	19.27.6	G	9 12 ,,
18	18.960	19.10	80.3	43.45	79.1	.0420	.8313	19.24.6	G	10 12 ,,
19	17.835	19.25	81.9	42.83	80.3	.0434	.8245	19.21.9	G	11 12 ,,
20	16.900	19.13	83.0	42.69	81.4	.0424	.8227	19.21.3	G	Noon.
21	17.240	19.24	83.7	42.83	82.5	.0432	.8245	19.21.9	N	1 12 p. m.
22	18.205	18.95	84.0	42.86	82.6	.0395	.8248	19.22.4	N	2 12 ,,
23	18.860	18.96	84.4	42.74	83.0	.0397	.8235	19.21.9	N	3 12 ,,
JAN. 9TH—Noon	18.787	19.49	83.8	42.50	83.2	.0483	.8209	19.19.8	N	4 12 ,,
1	18.665	19.25	83.0	42.49	82.9	.0434	.8207	19.20.4	D	5 12 ,,
2	18.937	19.25	82.0	42.57	82.3	.0434	.8216	19.20.7	D	6 12 ,,
3	18.590	19.50	81.5	42.80	81.8	.0485	.8242	19.20.9	D	7 12 ,,
4	18.912	18.80	81.0	42.89	81.3	.0371	.8251	19.22.9	D	8 12 ,,
5	18.558	18.75	80.0	43.02	80.6	.0362	.8266	19.23.5	G	9 12 ,,
6	18.714	18.77	79.5	43.23	80.3	.0365	.8289	19.24.3	G	10 12 ,,
7	18.960	18.72	78.7	43.35	79.9	.0357	.8302	19.24.9	G	11 12 ,,
8	19.040	18.77	78.0	43.53	79.3	.0365	.8322	19.25.6	G	Midnight.
9	18.910	18.67	77.8	43.57	79.0	.0349	.8326	19.26.0	N	1 12 a. m.
10	18.615	18.80	77.7	43.86	78.8	.0371	.8358	19.27.1	N	2 12 ,,
11	18.320	18.35	77.5	44.21	78.5	.0297	.8397	19.29.5	N	3 12 ,,

On the 8th, at about 19h., Dip as obtained by Observation was 19°13'4.

DAILY OBSERVATIONS FROM 9TH TO 11TH JANUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JAN. 9TH—12	18·289	18.25	77°0	44.19	78°1	8.0280	2.8394	19°29′6	N	4 12 a. m.
13	18.365	18.13	76.9	44.72	77.9	.0260	.8453	19.32.2	D	5 12 „
14	18.190	18.13	76.4	44.43	77.8	.0260	.8421	19.30.9	D	6 12 „
15	17.390	18.21	76.4	44.36	77.3	.0273	.8413	19.30.5	D	7 12 „
16	18.752	18.55	77.5	44.55	77.5	.0329	.8434	19.30.5	D	8 12 „
17	19.692	19.30	78.9	44.20	78.3	.0453	.8396	19.27.4	L	9 12 „
18	19.020	19.70	80.4	43.66	79.1	.0518	.8336	19.24.2	L	10 12 „
19	18.355	20.57	81.2	43.25	79.9	.0660	.8291	19.20.6	L	11 12 „
20	17.630	19.53	82.3	43.24	80.8	.0489	.8290	19.22.8	L	Noon.
21	17.240	19.01	82.4	43.33	81.0	.0404	.8300	19.24.4	N	1 12 p. m.
22	18.205	18.52	82.8	43.50	81.8	.0324	.8319	19.26.1	N	2 12 „
23	19.060	18.11	82.8	43.44	82.1	.0257	.8312	19.26.6	N	3 12 „
JAN. 10TH-Noon	19.307	17.97	82.5	43.07	82.2	.0234	.8271	19.25.4	N	4 12 „
1	18.865	19.06	82.0	42.98	82.1	.0413	.8261	19.22.7	S	5 12 „
2	18.687	18.96	81.3	43.05	81.8	.0397	.8269	19.23.1	S	6 12 „
3	18.590	18.81	80.3	43.28	81.0	.0372	.8294	19.24.5	S	7 12 „
4	18.502	18.92	79.6	43.43	80.4	.0390	.8311	19.24.9	S	8 12 „
5	18.558	18.76	79.3	43.50	80.0	.0364	.8319	19.25.6	L	9 12 „
6	18.654	18.79	79.2	43.63	79.8	.0368	.8333	19.26.1	L	10 12 „
7	18.850	18.80	79.6	43.65	80.0	.0371	.8335	19.26.2	L	11 12 „
8	18.730	18.79	79.5	43.71	79.8	.0368	.8342	19.26.4	L	Midnight.
9	18.390	18.77	79.0	43.68	79.4	.0365	.8338	19.26.3	N	1 12 a. m.
10	18.295	18.80	79.0	43.73	79.4	.0371	.8344	19.26.5	N	2 12 „
11	18.420	18.85	78.7	43.77	79.0	.0379	.8348	19.26.6	N	3 12 „
12	18.289	18.85	78.9	43.87	79.0	.0379	.8359	19.27.0	N	4 12 „
13	17.945	18.80	78.3	43.87	78.9	.0371	.8359	19.27.1	S	5 12 „
14	18.190	18.82	78.0	43.85	78.4	.0374	.8357	19.27.1	S	6 12 „
15	18.550	18.58	76.9	44.04	78.0	.0333	.8378	19.28.3	S	7 12 „
16	20.522	18.95	77.8	44.37	77.9	.0395	.8414	19.28.8	S	8 12 „
17	21.782	19.17	78.3	43.86	78.0	.0422	.8358	19.26.4	L	9 12 „
18	19.390	18.84	79.5	43.14	78.7	.0378	.8279	19.23.8	L	10 12 „
19	18.145	19.16	81.1	42.85	79.8	.0420	.8247	19.22.1	L	11 12 „
20	18.270	19.04	81.7	42.91	80.3	.0409	.8254	19.22.5	L	Noon.
21	18.810	19.02	83.1	42.97	81.8	.0406	.8260	19.22.7	N	1 12 p. m.
22	19.625	18.83	83.8	42.82	82.5	.0385	.8246	19.22.4	N	2 12 „
23	20.110	18.84	84.5	42.60	83.2	.0386	.8220	19.21.4	N	3 12 „
JAN. 11TH-Noon	20.609	18.73	84.1	42.31	83.5	.0358	.8188	19.20.5	N	4 12 „
1	19.784	18.45	83.0	42.24	82.9	.0308	.8180	19.20.9	S	5 12 „
2	19.580	18.27	82.1	42.45	82.1	.0278	.8203	19.22.2	S	6 12 „
3	19.511	18.12	81.6	42.64	82.0	.0257	.8224	19.23.2	S	7 12 „
4	19.649	18.07	80.6	42.79	81.3	.0254	.8240	19.24 0	S	8 12 „
5	19.545	17.90	79.8	42.92	80.8	.0224	.8255	19.25.0	L	9 12 „
6	19.236	17.96	79.4	43.01	80.3	.0234	.8265	19.25.2	L	10 12 „
7	19.132	18.02	78.8	43.19	79.8	.0242	.8284	19.25.8	L	11 12 „
8	19.098	18.07	78.3	43.31	79.5	.0246	.8298	19.26.2	L	Midnight.
9	18.858	18.04	78.0	43.45	79.1	.0243	.8313	19.27.0	N	1 12 a. m.
10	18.618	18.17	78.5	43.55	79.1	.0262	.8324	19.27.1	N	2 12 „
11	18.411	18.24	78.3	43.56	78.8	.0275	.8325	19.27.0	N	3 12 „
12	18.276	18.24	78.0	43.60	78.5	.0275	.8330	19.27.2	N	4 12 „
13	18.207	18.21	78.0	43.76	78.6	.0273	.8347	19.28.0	S	5 12 „
14	18.001	18.22	77.5	43.87	78.1	.0275	.8359	19.28.3	S	6 12 „
15	18.755	18.17	77.3	43.93	77.8	.0267	.8366	19.28.6	S	7 12 „
16	20.266	18.49	77.9	44.13	77.8	.0319	.8388	19.28.8	S	8 12 „
17	20.335	18.89	79.0	43.68	78.0	.0385	.8338	19.26.0	L	9 12 „
18	17.794	19.04	80.2	42.86	78.8	.0408	.8248	19.22.3	L	10 12 „
19	16.970	19.10	81.2	42.75	79.5	.0420	.8236	19.21.6	L	11 12 „
20	16.215	19.19	82.1	42.84	80.6	.0434	.8247	19.22.0	L	Noon.
21	17.656	19.34	83.8	43.03	82.2	.0457	.8267	19.22.3	N	1 12 p. m.
22	19.374	19.10	84.2	42.80	83.3	.0420	.8242	19.21.8	N	2 12 „
23	19.718	18.71	84.8	42.50	83.9	.0354	.8209	19.21.4	N	3 12 „

On the 10th, at about 18h., Dip as obtained by Observation was 19°24′4.
On the 11th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 13TH TO 15TH JANUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JAN. 13TH-Noon	19'305	18.32	82°7	42.62	82°2	8.0292	2.8222	19°22'7	S	4 12 p. m.
1	19.580	17.77	81.5	42.65	81.6	.0190	.8225	19.24.2	S	5 12 ,,
2	19.922	17.55	80.5	42.75	81.1	.0178	.8236	19.24·8	S	6 12 ,,
3	19.442	17.70	80.0	42.86	80.7	.0191	.8248	19.25·1	S	7 12 ,,
4	19.541	17.57	79.6	43.06	80.3	.0158	.8270	19.26.3	S	8 12 ,,
5	19.442	17.51	79.0	43.16	79.9	.0158	.8281	19.26.7	L	9 12 ,,
6	20.197	17.43	79.0	43.39	79.7	.0141	.8306	19.28.0	L	10 12 ,,
7	19.991	17.38	78.3	43.34	79.5	.0126	·8301	19.27.9	L	11 12 ,,
8	19.853	17.69	77.8	43.35	79.0	.0175	·8302	19.27.3	L	Midnight.
9	19.162	17.92	78.1	43.47	79.0	.0224	.8315	19.27.3	N	1 12 a. m.
10	18.893	17.71	77.9	43.52	78.8	.0175	.8321	19.28·1	N	2 12 ,,
11	19.144	17.68	77.1	43.60	78.3	.0175	.8330	19.28.5	N	3 12 ,,
12	18.824	17.69	76.8	43.56	78.0	.0175	·8325	19.28.3	N	4 12 ,,
13	18.411	17.85	76.6	43.74	78.0	.0208	.8345	19.28.7	S	5 12 ,,
14	18.345	17.74	76.1	43.88	77.8	.0191	.8360	19.29.4	S	6 12 ,,
15	18.755	17.76	75.8	44.11	76.9	.0191	.8386	19.30.4	S	7 12 ,,
16	20.197	18.06	76.6	44.31	76.9	.0245	.8408	19.30.5	S	8 12 ,,
17	20.747	18.31	77.5	44.09	77.3	.0290	.8381	19.28.9	L	9 12 ,,
18	20.288	18.70	79.3	43.24	78.4	.0354	.8290	19·24.6	L	10 12 ,,
19	18.069	18.82	80.6	43.05	79.0	.0374	.8269	19.23.5	L	11 12 ,,
20	18.138	18.66	81.5	43.15	79.9	.0349	.8280	19·24.2	L	Noon.
21	18.824	18.45	81.5	43.10	80.5	.0313	.8275	19.24.6	N	1 12 p. m.
22	19.784	18.38	81.9	43.13	81.0	.0297	.8278	19.24.8	N	2 12 ,,
23	20.128	18.21	82.0	42.97	81.8	.0273	.8260	19.24.5	N	3 12 ,,
JAN. 14TH-Noon	20.266	18.02	81.9	42.91	82.0	.0242	.8253	19.24.7	N	4 12 ,,
1	19.991	17.73	80.9	42.94	81.3	.0227	.8235	19.24.1	S	5 12 ,,
2	19.580	17.54	80.0	42.93	80.9	.0165	.8256	19.25.7	S	6 12 ,,
3	19.511	17.38	79.2	43.12	80.1	.0118	.8277	19.27.1	S	7 12 ,,
4	19.167	17.89	79.0	43.24	79.8	.0222	·8290	19.26.3	S	8 12 ,,
5	19.580	18.30	78.4	43.36	79.4	.0289	.8303	19.25.9	L	9 12 ,,
6	19.511	17.57	78.0	43.55	79.0	.0170	.8324	19.28.3	L	10 12 ,,
7	19.718	17.52	77.4	43.68	78.6	.0162	.8338	19.29.0	L	11 12 ,,
8	19.649	17.54	77.1	43.75	78.2	.0165	·8346	19.29.2	L	Midnight.
9	19.442	17.53	77.1	43.84	78.0	.0163	.8356	19.29.9	N	1 12 a. m.
10	19.408	17.50	76.9	43.84	78.0	.0159	.8356	19.29.7	N	2 12 ,,
11	19.442	17.57	76.8	43.68	77.5	.0170	.8338	19.28.9	N	3 12 ,,
12	19.031	17.70	76.5	43.72	77.3	.0191	.8343	19·28.8	N	4 12 ,,
13	18.755	17.81	77.0	43.83	77.5	.0209	.8355	19.29.1	S	5 12 ,,
14	18.549	17.87	77.0	43.87	77.2	.0219	.8359	19.29.0	S	6 12 ,,
15	19.442	17.74	76.2	44.27	77.0	.0197	.8403	19.31.0	S	7 12 ,,
16	19.853	17.86	76.5	44.22	77.2	.0219	.8398	19.30.5	S	8 12 ,,
17	19.511	18.02	77.7	43.83	77.5	.0242	.8355	19.28.7	L	9 12 ,,
18	17.725	18.49	79.7	43.24	78.6	.0319	.8290	19.25.0	L	10 12 ,,
19	17.161	18.78	81.1	42.71	79.6	.0366	.8232	19.22.1	L	11 12 ,,
20	17.108	18.80	81.6	42.51	80.4	.0371	.8210	19·21.3	L	Noon.
21	17.656	18.64	81.8	42.61	80.9	.0344	.8221	19.22.1	N	1 12 p. m.
22	17.656	18.52	81.7	42.63	81.0	.0324	.8223	19.22.4	N	2 12 ,,
23	18.411	18.44	81.5	42.91	81.0	.0311	.8254	19.23.8	N	3 12 ,,
JAN. 15TH-Noon	19.442	18.29	81.0	42.98	81.0	.0286	.8261	19.24.1	N	4 12 ,,
1	19.818	18.03	80.4	42.97	80.8	.0242	.8260	19.24.9	S	5 12 ,,
2	19.442	17.96	79.8	42.98	80.1	.0234	.8261	19.25.0	S	6 12 ,,
3	19.442	17.75	79.2	43.14	79.8	.0209	.3279	19.26.0	S	7 12 ,,
4	19.031	17.77	79.0	43.19	79.5	.0203	.8284	19.26.3	S	8 12 ,,
5	19.374	17.85	78.5	43.27	79.1	.0216	.8293	19.26.4	L	9 12 ,,
6	19.374	17.75	77.9	43.43	78.9	.0209	.8300	19.26.9	L	10 12 ,,
7	19.580	17.66	77.8	43.56	78.5	.0185	.8325	19.28.1	L	11 12 ,,
8	19.305	18.07	78.1	43.60	78.4	.0246	.8330	19.27.5	L	Midnight.
9	19.580	17.76	77.7	43.64	78.1	.0201	.8334	19·28.3	N	1 12 a. m.
10	19.511	17.61	76.8	43.63	77.8	.0176	.8333	19.28.6	N	2 12 ,,
11	19.167	17.57	76.2	43.67	77.2	.0171	.8337	19.28.9	N	3 12 ,,

On the 14th, at about 18h., Dip as obtained by Observation was 19°31'5.

DAILY OBSERVATIONS FROM 15TH TO 17TH JANUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Jan. 15th—12	18·687	17.87	76·5	44.00	77·2	8.0220	2.8374	19°29·5	N	4 12 a. m.
13	18.549	17.67	76.0	44.07	77.0	.0187	.8081	19.30.2	S	5 12 ,,
14	18.069	17.60	75.4	44.14	76.4	.0175	.8389	19.30.7	S	6 12 ,,
15	19.683	17.59	75.2	44.38	76.0	.0173	.8415	19.31.9	S	7 12 ,,
16	20.678	17.74	76.0	44.48	76.0	.0197	.8426	19.31.9	S	8 12 ,,
17	21.501	17.98	77·6	44.12	76.6	.0236	.8387	19.29.9	L	9 12 ,,
18	20.335	18.18	79.0	43.33	77.6	.0268	.8300	19.26.1	L	10 12 ,,
19	18.687	18.33	80.1	43.04	78.5	.0285	.8268	19.24.4	L	11 12 ,,
20	18.345	18.17	81.1	43.01	79.8	.0267	.8265	19.24.7	L	Noon.
21	18.824	18.33	82.9	42.83	81.0	.0293	.8245	19.23.7	N	1 12 p. m.
22	19.442	18.20	82.8	42.72	81.2	.0275	.8233	19.23.6	N	2 12 ,,
23	19.098	18.24	82.7	42.62	82.0	.0278	.8222	19.22.9	N	3 12 ,,
Jan. 16th—Noon	19.649	18.13	82.0	42.56	82.0	.0260	.8215	19.22.9	N	4 12 ,,
1	18.962	18.19	81.2	42.37	81.5	.0270	.8194	19.21.9	S	5 12 ,,
2	18.755	18.26	80.9	42.59	81.0	.0280	.8218	19.22.8	S	6 12 ,,
3	18.893	18.08	80.0	42.81	80.9	.0246	.8243	19.24.1	S	7 12 ,,
4	18.824	18.04	79.4	42.92	80.0	.0243	.8255	19.24.8	S	8 12 ,,
5	19.236	17.86	78.9	43.04	79.6	.0218	.8268	19.25.4	L	9 12 ,,
6	19.098	17.84	78.1	43.19	79.0	.0214	.8284	19.26.2	L	10 12 ,,
7	18.962	17.96	77.8	43.38	78.7	.0224	.8305	19.26.9	L	11 12 ,,
8	19.167	17.83	77.3	43.45	78.4	.0212	.8313	19.27.4	L	Midnight.
9	18.755	18.01	76.9	43.44	78.1	.0241	.8312	19.26.9	N	1 12 a. m.
10	19.442	18.05	76.7	43.69	78.0	.0244	.8339	19.28.0	N	2 12 ,,
11	19.098	17.93	76.2	43.67	77.2	.0228	.8337	19.28.1	N	3 12 ,,
12	18.755	17.97	75.9	43.81	77.0	.0224	.8353	19.28.8	N	4 12 ,,
13	18.345	17.99	75.7	43.91	77.0	.0224	.8364	19.29.1	S	5 12 ,,
14	18.069	18.06	75.4	44.05	76.5	.0245	.8379	19.29.3	S	6 12 ,,
15	18.480	17.99	75.4	44.29	76.2	.0224	.8405	19.30.8	S	7 12 ,,
16	19.991	18.40	76.4	44.39	76.5	.0305	.8416	19.30.5	S	8 12 ,,
17	21.091	18.69	77.9	44.09	76.9	.0352	.8383	19.28.2	L	9 12 ,,
18	20.540	19.04	79.3	43.43	77.6	.0409	.8311	19.24.7	L	10 12 ,,
19	19.580	18.93	80.2	42.98	78.6	.0391	.8261	19.22.9	L	11 12 ,,
20	18.618	18.92	81.6	42.80	79.9	.0390	.8242	19.22.2	L	Noon.
21	19.442	18.73	82.0	42.86	80.5	.0358	.8248	19.22.9	N	1 12 p. m.
22	19.649	18.69	82.5	42.74	81.2	.0354	.8235	19.22.5	N	2 12 ,,
23	19.922	18.61	82.8	42.62	82.0	.0338	.8222	19.22.1	N	3 12 ,,
Jan. 17th—Noon	19.922	18.40	82.5	42.46	82.1	.0305	.8204	19.21.8	N	4 12 ,,
1	19.649	18.18	81.2	42.37	81.8	.0268	.8194	19.21.9	S	5 12 ,,
2	19.374	18.10	80.0	42.65	81.0	.0248	.8225	19.23.4	S	6 12 ,,
3	19.236	17.94	79.6	42.80	80.0	.0210	.8242	19.24.6	S	7 12 ,,
4	19.167	17.80	79.0	42.95	80.1	.0208	.8258	19.25.3	S	8 12 ,,
5	19.408	17.86	78.6	43.13	79.2	.0218	.8278	19.25.8	L	9 12 ,,
6	19.201	17.89	78.0	43.19	79.0	.0222	.8284	19.26.0	L	10 12 ,,
7	19.305	17.90	77.7	43.38	78.6	.0224	.8305	19.26.9	L	11 12 ,,
8	19.236	17.93	77.6	43.45	78.3	.0228	.8313	19.27.1	L	Midnight.
9	19.167	17.90	77.0	43.44	78.0	.0224	.8312	19.27.1	N	1 12 a. m.
10	18.687	17.90	76.8	43.53	77.5	.0224	.8322	19.27.5	N	2 12 ,,
11	18.583	17.88	76.4	43.71	77.1	.0220	.8342	19.28.3	N	3 12 ,,
12	18.138	17.76	75.3	43.76	76.5	.0201	.8347	19.28.9	N	4 12 ,,
13	18.411	17.93	75.5	43.97	76.2	.0228	.8370	19.29.3	S	5 12 ,,
14	18.237	18.03	75.2	44.13	76.0	.0228	.8388	19.30.0	S	6 12 ,,
15	18.411	18.20	75.0	44.36	75.4	.0272	.8413	19.30.5	S	7 12 ,,
16	20.266	18.40	75.4	44.57	75.6	.0305	.8436	19.30.9	S	8 12 ,,
17	21.157	18.95	77.1	44.36	76.1	.0395	.8413	19.28.8	L	9 12 ,,
18	21.295	19.04	78.3	43.90	76.8	.0409	.8363	19.26.7	L	10 12 ,,
19	19.784	19.22	79.0	43.42	77.9	.0430	.8310	19.24.4	L	11 12 ,,
20	18.962	18.95	79.8	43.43	78.3	.0395	.8311	19.24.8	L	Noon.
21	19.374	18.68	80.0	43.37	79.0	.0350	.8304	19.25.1	N	1 12 p. m.
22	19.236	18.56	80.7	43.37	79.7	.0331	.8304	19.25.4	N	2 12 ,,
23	19.649	18.43	80.7	43.19	80.2	.0309	.8284	19.24.9	N	3 12 ,,

On the 17th, at about 18h., Dip as obtained by Observation was 19°27′2.

DAILY OBSERVATIONS FROM 18TH TO 21ST JANUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 18TH-Noon	20·128	18.42	80°6	42.98	80°6	8.0308	2.8261	19°24·0	N	4 12 p. m.
1	19.580	18.28	79.9	42.66	80.4	.0284	.8226	19.23.1	S	5 12 ,,
2	19.098	18.01	79.0	42.87	79.8	.0241	.8249	19.24.5	S	6 12 ,,
3	19.511	17.78	78.6	43.12	79.0	.0203	.8277	19.26.1	S	7 12 ,,
4	19.098	17.84	78.1	43.18	78.8	.0214	.8283	19.26.2	S	8 12 ,,
5	19.167	17.81	78.0	43.38	78.5	.0209	.8305	19.27.1	L	9 12 ,,
6	19.374	17.89	77.6	43.49	78.3	.0222	.8317	19.29.4	L	10 12 ,,
7	19.442	17.61	76.8	43.65	77.6	.0186	.8335	19.28.5	L	11 12 ,,
8	19.649	17.62	76.3	43.74	77.2	.0178	.8345	19.29.1	L	Midnight.
9	19.580	17.71	75.9	43.87	76.9	.0192	.8359	19.29.4	N	1 12 a. m.
10	19.201	17.83	75.4	43.94	76.4	.0212	.8367	19.29.5	N	2 12 ,,
11	19.442	17.63	74.8	44.13	76.0	.0179	.8388	19.30.7	N	3 12 ,,
12	18.789	17.59	73.8	44.16	75.2	.0173	.8391	19.30.9	N	4 12 ,,
13	18.001	17.92	74.2	44.35	75.1	.0227	.8412	19.30.9	S	5 12 ,,
14	18.138	18.92	74.0	44.45	75.0	.0227	.8423	19.31.4	S	6 12 ,,
15	18.276	17.90	74.0	44.61	75.0	.0224	.8441	19.32.2	S	7 12 ,,
16	19.167	18.21	74.4	44.84	74.8	.0273	.8466	19.32.5	S	8 12 ,,
17	19.853	18.38	75.5	44.76	75.2	.0301	.8457	19.31.9	L	9 12 ,,
18	19.031	18.71	77.6	44.21	76.3	.0355	.8397	19.28.7	L	10 12 ,,
19	18.687	18.83	79.6	43.81	17.8	.0375	.8353	19.26.8	L	11 12 ,,
20	18.687	18.62	80.6	43.51	78.8	.0342	.8320	19.26.0	L	Noon.
21	19.098	18.43	81.3	43.29	79.5	.0309	.8295	19.25.4	N	1 12 p. m.
22	19.236	18.41	82.1	42.92	80.7	.0305	.8255	19.23.9	N	2 12 ,,
23	19.236	18.43	82.3	42.94	81.4	.0309	.8235	19.23.1	N	3 12 ,,
JAN. 20TH-Noon	19.167	18.54	85.0	41.98	84.0	.0329	.8151	19.19.5	S	4 12 ,,
1	18.893	18.32	84.1	42.00	83.4	.0293	.8154	19.20.1	S	5 12 ,,
2	18.687	18.24	83.0	42.16	82.6	.0286	.8171	19.20.7	S	6 12 ,,
3	19.236	18.26	82.5	42.37	82.2	.0282	.8194	19.21.8	S	7 12 ,,
4	18.893	18.20	82.0	42.51	82.0	.0272	.8210	19.22.6	S	8 12 ,,
5	18.893	18.19	81.3	42.66	81.2	.0270	.8226	19.23 2	L	9 12 ,,
6	18.755	18.14	80.9	42.73	81.0	.0262	.8234	19.23.6	L	10 12 ,,
7	19.031	17.95	80.4	42.90	80.8	.0232	.8253	19.24.8	L	11 12 ,,
8	18.824	17.85	79.9	42.86	80.4	.0216	.8248	19.24.7	L	Midnight.
9	18.893	17.82	79.1	42.98	80.0	.0212	.8261	19.25.3	N	1 12 a. m.
10	18.755	17.89	78.6	43.00	79.7	.0222	.8264	19.25.2	N	2 12 ,,
11	18.207	18.10	78.8	43.13	79.2	.0256	.8278	19.25.3	N	3 12 ,,
12	18.001	18.13	78.8	43.31	79.0	.0270	.8298	19.26.0	N	4 12 ,,
13	17.932	18.22	78.6	43.28	78.8	.0276	.8294	19.25.7	S	5 12 ,,
14	17.794	18.13	78.0	43.36	78.6	.0260	.8303	19.26.3	S	6 12 ,,
15	18.069	18.26	78.0	43.46	78.5	.0284	.8314	19.26.6	S	7 12 ,,
16	19.442	18.38	78.4	43.76	78.5	.0301	.8336	19.27.2	S	8 12 ,,
17	20.471	18.68	79.1	43.46	78.7	.0350	.8314	19.25.6	L	9 12 ,,
18	19.132	18.97	79.9	43.09	79.0	.0394	.8273	19.23.4	L	10 12 ,,
19	17.794	18.92	80.6	42.77	79.5	.0391	.8238	19.22.1	L	11 12 ,,
20	16.504	19.54	81.6	42.99	80.1	.0491	.8262	19.21.6	L	Noon.
21	18.256	18.64	82.2	43.02	81.0	.0344	.8267	19.23.9	N	1 12 p. m.
22	18.962	18.65	83.0	43.50	81.9	.0346	.8319	19.25.7	N	2 12 ,,
23	19.236	18.42	83.2	43.23	82.5	.0309	.8289	19.25.1	N	3 12 ,,
JAN. 21ST-Noon	19.374	18.45	82.8	43.08	82.5	.0313	.8272	19.24.4	N	4 12 ,,
1	19.236	18.29	82.0	42.98	82.1	.0286	.8258	19.24.2	S	5 12 ,,
2	19.167	18.19	81.2	42.95	81.6	.0272	.8269	19.24.8	S	6 12 ,,
3	19.374	18.07	80.8	43.19	81.2	.0246	.8284	19.25.6	S	7 12 ,,
4	19.236	18.04	80.2	43.28	80.8	.0243	.8294	19.26.2	S	8 12 ,,
5	19.305	17.88	79.6	43.41	80.2	.0220	.8309	19.27.0	L	9 12 ,,
6	19.718	17.80	78.9	43.62	79.8	.0208	.8332	19.28.1	L	10 12 ,,
7	19.580	17.79	78.4	43.68	79.4	.0205	.8338	19.28.5	L	11 12 ,,
8	19.305	18.02	78.8	43.73	79.3	.0242	.8344	19.28.2	L	Midnight.
9	19.305	18.01	78.8	43.81	79.1	.0241	.8353	19.28.6	N	1 12 a. m.
10	19.098	18.01	78.4	43.91	79.0	.0241	.8364	19.28.9	N	2 12 ,,
11	19.031	17.95	78.0	43.96	78.8	.0232	.8369	19.29.2	N	3 12 ,,

On the 18th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD JANUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JAN. 21ST—12	18'687	18.09	78°0	43.90	78°7	8.0247	2.8363	19°28'7	N	4 12 a. m.
13	18.207	18.24	78.4	43.91	78.5	.0278	.8364	19.28.4	S	5 12 ,,
14	18.001	18.12	77.1	43.95	78.3	.0259	.8368	19.28.8	S	6 12 ,,
15	18.345	18.01	77.0	44.25	78.4	.0241	.8401	19.30.4	S	7 12 ,,
16	19.718	18.20	78.2	44.46	78.6	.0272	.8424	19.30.9	S	8 12 ,,
17	20.335	18.47	79.2	44.05	78.3	.0317	.8379	19.28.4	L	9 12 ,,
18	18.893	18.64	80.5	43.37	79.0	.0334	.8304	19.25.4	L	10 12 ,,
19	17.390	18.78	82.1	43.28	80.1	.0366	.8294	19.24.5	L	11 12 ,,
20	18.411	18.84	83.7	43.37	81.6	.0377	.8304	19.24.8	L	Noon.
21	19.442	18.95	84.8	43.07	83.0	.0395	.8271	19.23.2	N	1 12 p. m.
22	19.580	18.72	85.2	42.60	83.4	.0358	.8220	19.21.8	N	2 12 ,,
23	19.649	18.69	85.2	42.47	84.0	.0352	.8205	19.21.3	N	3 12 ,,
JAN. 22ND—Noon	19.718	18.53	84.9	42.27	84.1	.0325	.8183	19.20.7	N	4 12 ,,
1	19.305	18.39	84.0	42.12	84.0	.0303	.8167	19.20.5	S	5 12 ,,
2	19.167	18.20	83.0	42.25	83.2	.0272	.8181	19.21.4	S	6 12 ,,
3	19.098	18.13	82.4	42.48	82.8	.0268	.8202	19.22.2	S	7 12 ,,
4	19.098	18.07	81.4	42.61	82.1	.0246	.8221	19.23.2	S	8 12 ,,
5	19.305	17.95	80.6	42.81	81.5	.0232	.8243	19.24.4	L	9 12 ,,
6	18.962	18.02	80.6	42.99	81.2	.0242	.8262	19.24.9	L	10 12 ,,
7	19.098	17.98	80.2	43.06	80.8	.0230	.8270	19.25.4	L	11 12 ,,
8	18.962	17.90	79.5	43.23	80.4	.0224	.8289	19.26.2	L	Midnight.
9	18.687	18.00	79.5	43.40	80.1	.0240	.8308	19.26.8	N	1 12 a. m.
10	18.411	17.91	79.2	43.50	80.0	.0225	.8319	19.29.3	N	2 12 ,,
11	18.207	18.11	79.0	43.49	79.7	.0257	.8317	19.26.9	N	3 12 ,,
12	18.138	18.00	78.2	43.58	79.2	.0240	.8327	19.27.6	N	4 12 ,,
13	18.001	18.00	78.0	43.68	79.2	.0240	.8338	19.28.0	S	5 12 ,,
14	18.138	18.11	78.0	43.86	78.5	.0257	.8358	19.28.5	S	6 12 ,,
15	18.411	18.14	78.1	43.95	78.2	.0262	.8368	19.28.8	S	7 12 ,,
16	19.752	18.38	78.2	44.25	78.3	.0301	.8401	19.29.6	S	8 12 ,,
17	20.404	18.64	79.5	43.96	78.7	.0320	.8369	19.28.0	L	9 12 ,,
18	18.893	18.84	80.6	43.47	79.0	.0361	.8315	19.25.5	L	10 12 ,,
19	16.839	18.91	81.8	43.20	80.0	.0388	.8286	19.23.9	L	11 12 ,,
20	16.839	18.73	82.4	43.19	80.9	.0358	.8284	19.24.2	L	Noon.
21	17.471	18.70	83.0	43.35	81.6	.0354	.8291	19.24.6	N	1 12 p. m.
22	17.162	18.64	83.5	43.17	82.2	.0344	.8285	19.24.6	N	2 12 ,,
23	19.580	18.53	83.9	42.99	83.0	.0325	.8262	19.23.7	N	3 12 ,,
JAN. 23RD—Noon	19.922	18.48	83.9	42.69	83.1	.0327	.8229	19.22.5	N	4 12 ,,
1	19.098	18.42	83.1	42.59	83.0	.0309	.8208	19.22.4	S	5 12 ,,
2	18.893	18.25	82.0	42.72	82.2	.0280	.8233	19.23.4	S	6 12 ,,
3	18.824	18.11	81.3	42.91	82.0	.0257	.8254	19.24.4	S	7 12 ,,
4	18.962	17.96	80.9	43.05	81.6	.0234	.8269	19.25.3	S	8 12 ,,
5	18.893	18.02	80.3	43.16	80.9	.0242	.8277	19.25.6	L	9 12 ,,
6	18.893	18.14	80.1	43.24	80.7	.0262	.8290	19.25.8	L	10 12 ,,
7	18.480	18.17	79.4	43.31	80.2	.0268	.8298	19.26.0	L	11 12 ,,
8	19.031	18.24	79.5	43.50	80.0	.0278	.8319	19.26.7	L	Midnight.
9	18.893	18.25	79.2	43.50	79.9	.0280	.8319	19.26.7	N	1 12 a. m.
10	18.549	18.00	78.9	43.58	79.2	.0240	.8327	19.27.6	N	2 12 ,,
11	18.276	18.07	78.7	43.64	79.0	.0246	.8334	19.27.6	N	3 12 ,,
12	18.103	18.18	78.2	43.77	78.9	.0268	.8348	19.28.0	N	4 12 ,,
13	17.932	18.28	78.0	43.87	78.9	.0284	.8359	19.28.3	S	5 12 ,,
14	17.675	18.28	77.9	43.93	78.3	.0284	.8366	19.28.5	S	6 12 ,,
15	18.411	18.31	77.9	44.13	78.2	.0290	.8388	19.28.2	S	7 12 ,,
16	20.266	18.46	78.2	44.24	78.4	.0305	.8400	19.29.5	S	8 12 ,,
17	21.433	18.76	78.9	44.04	78.8	.0364	.8378	19.27.9	L	9 12 ,,
18	19.784	18.95	80.2	42.56	79.3	.0395	.8325	19.25.4	L	10 12 ,,
19	18.687	19.03	81.8	43.32	80.1	.0407	.8299	19.24.2	L	11 12 ,,
20	18.755	18.84	82.9	43.28	80.9	.0385	.8294	19.24.2	L	Noon.
21	19.088	18.74	82.9	43.16	81.0	.0360	.8281	19.24.1	N	1 12 p. m.
22	19.031	19.50	83.0	43.00	82.0	.0485	.8264	19.21.7	N	2 12 ,,
23	19.236	19.38	83.3	42.87	82.4	.0465	.8249	19.21.5	N	3 12 ,,

On the 22nd, at about 19h., Dip as obtained by Observation was 19°41'5.

DAILY OBSERVATIONS FROM 24TH TO 27TH JANUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 24TH-Noon	19°098	19.24	83°3	42.66	82°7	8.0432	2.8226	19°21′1	N	4 12 p. m.
1	18.411	19.06	82.8	42.53	82.6	.0413	.8212	19.20.8	D	5 12 ,,
2	18.069	19.02	82.1	42.66	82.1	.0406	.8226	19.21.4	D	6 12 ,,
3	18.411	18.87	81.6	42.80	81.8	.0403	.8242	19.22.1	D	7 12 ,,
4	18.755	18.72	81.1	42.99	81.3	.0367	.8262	19.23.2	D	8 12 ,,
5	18.549	18.74	80.8	43.03	80.9	.0360	.8267	19.23.6	L	9 12 ,,
6	18.411	18.81	80.5	43.10	80.8	.0372	.8275	19.23.8	L	10 12 ,,
7	18.411	18.74	80.2	43.19	80.4	.0360	.8284	19.24.2	L	11 12 ,,
8	18.480	18.95	80.0	43.31	80.3	.0395	.8298	19.24.3	L	Midnight.
9	18.345	18.98	79.9	43.19	80.2	.0399	.8284	19.23.7	N	1 12 a. m.
10	18.411	18.85	79.5	43.27	80.0	.0379	.8293	19.24.4	N	2 12 ,,
11	18.480	18.99	79.0	43.26	79.7	.0401	.8292	19.24.0	N	3 12 ,,
12	18.276	18.80	78.5	43.30	79.2	.0371	.8297	19.24.7	N	4 12 ,,
13	17.725	18.82	78.1	43.32	79.0	.0374	.8299	19.24.7	D	5 12 ,,
14	18.207	18.85	78.0	43.46	78.8	.0379	.8314	19.25.2	D	6 12 ,,
15	17.828	18.81	77.9	43.46	78.7	.0372	.8314	19.25.3	D	7 12 ,,
16	19.683	18.96	77.8	43.65	78.4	.0397	.8335	19.25.8	D	8 12 ,,
17	20.850	19.14	78.6	43.83	78.4	.0426	.8355	19.26.2	L	9 12 ,,
18	19.201	19.76	79.3	43.24	78.6	.0528	.8290	19.22.3	L	10 12 ,,
19	18.104	20.35	80.7	42.89	79.5	.0624	.8251	19.19.6	L	11 12 ,,
20	18.172	20.02	81.7	42.79	80.2	.0570	.8240	19.19.9	L	Noon.
21	18.515	19.78	82.5	42.88	81.0	.0530	.8250	19.20.8	N	1 12 p. m.
22	18.448	19.71	83.0	42.96	81.9	.0519	.8259	19.21.2	N	2 12 ,,
23	18.498	19.83	82.9	42.94	82.0	.0538	.8257	19.21.0	N	3 12 ,,
JAN. 25TH-Noon	19.013	19.46	82.1	42.81	82.0	.0479	.8243	19.21.2	N	4 12 ,,
1	18.875	19.38	81.4	42.66	81.9	.0465	.8226	19.20.6	D	5 12 ,,
2	19.013	19.29	80.7	42.64	81.3	.0440	.8224	19.20.9	D	6 12 ,,
3	18.670	19.11	79.8	42.78	81.0	.0421	.8239	19.21.7	D	7 12 ,,
4	19.013	19.11	79.3	42.82	80.5	.0421	.8244	19.21.9	D	8 12 ,,
5	18.738	19.15	79.1	43.03	79.9	.0438	.8272	19.22.7	L	9 12 ,,
6	18.807	19.20	78.9	43.13	79.5	.0426	.8278	19.23.1	L	10 12 ,,
7	18.601	19.16	78.4	43.16	79.2	.0430	.8281	19.23.2	L	11 12 ,,
8	18.944	19.10	77.9	43.22	78.9	.0420	.8283	19.23.6	L	Midnight.
9	18.670	19.13	77.8	43.31	78.7	.0424	.8298	19.24.0	N	1 12 a. m.
10	18.670	19.10	77.3	43.46	78.6	.0420	.8314	19.24.6	N	2 12 ,,
11	18.944	19.07	77.0	43.62	78.0	.0415	.8332	19.25.4	N	3 12 ,,
12	18.670	19.10	76.6	43.68	77.7	.0420	.8338	19.25.6	N	4 12 ,,
13	18.327	19.09	76.2	43.73	77.5	.0417	.8344	19.25.8	D	5 12 ,,
14	17.984	19.15	76.0	43.82	77.3	.0428	.8354	19.26.1	D	6 12 ,,
15	18.327	19.33	75.9	44.01	77.0	.0457	.8375	19.26.5	D	7 12 ,,
16	19.081	19.38	76.9	44.12	77.3	.0465	.8387	19.26.9	D	8 12 ,,
17	20.179	19.94	78.1	43.81	77.5	.0557	.8353	19.24.4	L	9 12 ,,
18	19.630	20.01	79.3	43.25	78.4	.0563	.8291	19.21.8	L	10 12 ,,
19	19.150	20.09	80.3	43.05	79.0	.0581	.8269	19.20.8	L	11 12 ,,
20	19.561	20.04	80.6	43.11	79.8	.0573	.8276	19.21.2	L	Noon.
21	20.110	20.38	81.8	42.90	80.0	.0636	.8253	19.19.5	N	1 12 p. m.
22	20.316	20.46	83.4	42.81	81.0	.0643	.8237	19.19.3	N	2 12 ,,
23	20.590	20.04	84.4	41.79	81.2	.0573	.8240	19.19.9	N	3 12 ,,
JAN. 27TH-Noon	20.110	19.69	80.7	42.78	80.9	.0516	.8239	19.20.4	D	4 12 ,,
1	19.699	19.55	79.8	42.61	80.4	.0493	.8221	19.20.1	D	5 12 ,,
2	19.013	19.31	78.8	42.69	79.5	.0438	.8229	19.21.1	D	6 12 ,,
3	18.670	19.20	78.5	42.77	79.1	.0426	.8238	19.21.6	D	7 12 ,,
4	18.670	19.30	78.0	42.91	78.8	.0453	.8254	19.21.9	D	8 12 ,,
5	18.670	19.35	77.6	43.11	78.4	.0461	.8276	19.22.6	L	9 12 ,,
6	18.670	19.24	77.4	43.23	78.2	.0432	.8289	19.23.5	L	10 12 ,,
7	18.875	19.29	77.2	43.34	78.0	.0440	.8301	19.23.9	L	11 12 ,,
8	19.081	19.19	76.9	43.48	77.6	.0434	.8316	19.24.6	L	Midnight.
9	19.082	19.24	76.6	43.52	77.2	.0432	.8321	19.24.8	N	1 12 a. m.
10	18.738	19.30	76.5	43.61	77.0	.0453	.8331	19.24.9	N	2 12 ,,
11	18.772	19.31	76.0	43.71	77.0	.0454	.8342	19.25.3	N	3 12 ,,

On the 25th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 27TH TO 29TH JANUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JAN. 27TH—12	18'670	19.39	76°0	43.79	76°9	8.0467	2.8350	19°25'5	N	4 12 a. m.
13	17.984	19.57	76.1	43.80	76.7	.0497	.8352	19.25.1	D	5 12 „
14	18.327	19.66	75.8	43.99	76.4	.0512	.8372	19.25.7	D	6 12 „
15	18.670	19.15	76.0	44.09	76.2	.0428	.8383	19.27.2	D	7 12 „
16	19.699	19.29	76.7	44.15	76.7	.0440	.8390	19.27.4	D	8 12 „
17	20.796	19.52	77.6	44.09	76.9	.0488	.8383	19.26.4	L	9 12 „
18	21.071	19.83	78.9	43.45	77.8	.0538	.8313	19.23.1	L	10 12 „
19	19.630	19.94	80.1	42.80	78.5	.0557	.8242	19.20.0	L	11 12 „
20	18.944	19.94	81.1	42.41	79.8	.0557	.8199	19.18.3	L	Noon.
21	18.738	19.79	81.0	42.65	80.0	.0532	.8225	19.19.8	N	1 12 p. m.
22	19.013	19.73	81.8	42.32	80.8	.0520	.8189	19.18.4	N	2 12 „
23	19.356	19.84	82.2	42.35	81.6	.0550	.8192	19.18.1	N	3 12 „
JAN. 28TH-Noon	19.013	19.45	82.2	42.18	82.0	.0477	.8173	19.18.3	N	4 12 „
1	18.670	19.07	81.1	42.00	81.6	.0415	.8154	19.18.4	D	5 12 „
2	18.738	18.98	79.9	42.13	81.0	.0399	.8168	19.19.2	D	6 12 „
3	19.013	18.87	79.1	42.26	80.2	.0383	.8176	19.99.8	D	7 12 „
4	18.807	19.03	78.9	42.48	79.3	.0407	.8206	19.20.6	D	8 12 „
5	18.944	19.07	78.2	42.77	78.9	.0415	.8238	19.21.7	L	9 12 „
6	18.670	18.99	77.8	42.95	78.5	.0401	.8258	19.22.8	L	10 12 „
7	19.287	19.09	77.5	43.11	78.2	.0417	.8276	19.23.1	L	11 12 „
8	19.150	19.28	77.4	43.19	78.0	.0438	.8284	19.23.2	L	Midnight.
9	19.493	19.10	77.0	43.37	77.8	.0420	.8304	19.24.2	N	1 12 a. m.
10	19.699	19.01	76.7	43.44	77.2	.0404	.8312	19.24.8	N	2 12 „
11	19.356	19.30	77.0	43.60	77.2	.0453	.8330	19.24.9	N	3 12 „
12	19.013	19.08	76.9	43.65	77.2	.0415	.8335	19.25.5	N	4 12 „
13	18.327	10.10	77.0	43.61	77.0	.0420	.8331	19.25.3	D	5 12 „
14	18.327	19.06	76.8	43.61	76.9	.0413	.8331	19.25.1	D	6 12 „
15	18.258	18.99	76.7	43.70	76.7	.0401	.8341	19.26.0	D	7 12 „
16	17.984	19.35	77.0	43.81	76.9	.0461	.8353	19.25.7	D	8 12 „
17	18.601	19.55	77.5	43.81	77.0	.0493	.8353	19.25.3	L	9 12 „
18	19.218	19.94	78.7	43.67	77.4	.0557	.8337	19.23.8	L	10 12 „
19	18.532	20.13	79.8	42.95	78.3	.0588	.8346	19.23.7	L	11 12 „
20	17.023	20.26	80.5	42.86	78.8	.0610	.8348	19.23.6	L	Noon.
21	17.641	20.10	80.5	43.12	79.0	.0584	.8277	19.21.2	N	1 12 p. m.
22	18.058	19.87	80.5	43.19	79.5	.0546	.8284	19.21.7	N	2 12 „
23	18.875	19.70	80.4	43.20	80.0	.0518	.8286	19.22.2	N	3 12 „
JAN. 29TH-Noon	19.561	19.50	80.0	43.10	80.0	.0485	.8275	19.22.2	N	4 12 „
1	19.630	19.41	79.1	42.90	80.0	.0470	.8253	19.21.7	D	5 12 „
2	19.013	19.10	78.2	42.98	79.3	.0420	.8261	19.22.5	D	6 12 „
3	19.424	19.14	77.7	43.11	78.7	.0426	.8276	19.23.0	D	7 12 „
4	19.356	18.92	77.1	43.19	78.1	.0391	.8284	19.23.8	D	8 12 „
5	19.287	18.89	76.6	43.42	77.4	.0385	.8310	19.24.9	L	9 12 „
6	19.424	18.79	76.4	43.67	77.1	.0368	.8337	19.26.3	L	10 12 „
7	19.561	19.01	76.3	43.76	77.0	.0404	.8347	19.26.3	L	11 12 „
8	19.287	18.97	75.9	43.80	76.8	.0399	.8352	19.26.4	L	Midnight.
9	18.532	19.21	75.6	43.89	76.4	.0427	.8361	19.26.3	N	1 12 a. m.
10	19.356	19.07	75.5	43.84	76.2	.0415	.8356	19.26.3	N	2 12 „
11	19.150	19.19	75.7	44.08	76.1	.0434	.8382	19.27.1	N	3 12 „
12	18.775	19.29	75.7	44.08	76.0	.0440	.8382	19.27.0	N	4 12 „
13	18.532	19.21	75.3	44.22	75.8	.0437	.8398	19.27.7	D	5 12 „
14	18.327	19.22	75.1	44.17	75.7	.0440	.8392	19.27.4	D	6 12 „
15	19.356	19.03	74.9	44.41	75.3	.0407	.8419	19.28.9	D	7 12 „
16	20.042	19.39	75.7	44.62	75.7	.0457	.8442	19.29.1	D	8 12 „
17	21.071	19.55	76.6	44.52	75.9	.0493	.8531	19.28.3	L	9 12 „
18	21.208	19.83	78.0	43.98	76.7	.0538	.8371	19.25.3	L	10 12 „
19	19.699	20.17	79.4	43.21	77.8	.0590	.8287	19.21.4	L	11 12 „
20	18.807	20.42	81.4	42.96	78.8	.0636	.8259	19.29.7	L	Noon.
21	18.944	20.06	81.0	42.92	79.4	.0567	.8255	19.20.5	N	1 12 p. m.
22	19.013	19.86	81.3	42.82	80.0	.0544	.8244	19.20.4	N	2 12 „
23	19.081	19.81	81.8	42.82	80.7	.0535	.8244	19.20.4	N	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°44'0.
On the 29th, at about 19h., fixed Meridian Mark observed. Scale Reading 29·780 Scale Division.

DAILY OBSERVATIONS FROM 30TH JANUARY TO 1ST FEBRUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JAN. 30TH -Noon	19°218	19.62	81°6	42.65	81°0	8.0492	2.8225	19°20'3	N	4 12 p. m.
1	18.807	19.49	80.5	42.52	80.6	.0483	.8211	19.19.9	D	5 12 ,,
2	18.944	19.33	79.4	42.74	79.8	.0471	.8235	19.20.9	D	6 12 ,,
3	19.013	19.20	79.0	42.94	79.5	.0420	.8257	19.22.5	D	7 12 ,,
4	19.013	19.10	78.5	43.07	79.1	.0420	.8271	19.2.29	D	8 12 ,,
5	19.013	19.25	77.9	43.17	78.4	.0434	.8282	19.23.2	L	9 12 ,,
6	19.218	19.12	77.3	43.39	78.0	.0422	.8006	19.24.3	L	10 12 ,,
7	19.821	19.02	76.6	43.55	77.4	.0407	.8324	19.25.2	L	11 12 ,,
8	19.081	19.09	76.6	43.65	77.5	.0417	.8335	19.25.5	L	Midnight.
9	19.013	19.16	76.4	43.70	77.2	.0430	.8341	19.25.6	N	1 12 a. m.
10	18.944	19.07	75.6	43.80	76.8	.0415	.8352	19.26.1	N	2 12 ,,
11	18.327	19.27	75.1	43.97	76.4	.0438	.8370	19.26.6	N	3 12 ,,
12	18.258	19.15	74.5	44.13	76.0	.0428	.8388	19.27.4	N	4 12 ,,
13	18.327	19.12	74.1	44.37	75.7	.0422	.8414	19.28.5	D	5 12 ,,
14	18.327	19.41	74.8	44.37	75.6	.0469	.8414	19.27.9	D	6 12 ,,
15	18.395	19.28	74.9	44.47	75.7	.0438	.8425	19.28.8	D	7 12 ,,
16	19.013	19.44	75.7	44.68	75.9	.0485	.8448	19.29.0	D	8 12 ,,
17	19.904	19.58	76.4	44.63	75.9	.0497	.8443	19.28.7	L	9 12 ,,
18	19.973	19.90	77.5	44.24	76.6	.0551	.8400	19.26.3	L	10 12 ,,
19	18.327	20.16	78.8	43.75	77.5	.0594	.8346	19.23.7	L	11 12 ,,
20	18.327	20.14	79.7	43.63	78.3	.0590	.8333	19.23.2	L	Noon.
21	18.327	20.10	80.2	43.32	79.0	.0584	.8299	19.20.7	N	1 12 p. m.
22	28.327	20.14	80.7	43.12	79.9	.0590	.8277	19.19.7	N	2 12 ,,
23	18.875	20.08	80.9	43.11	80.2	.0579	.8276	19.21.1	N	3 12 ,,
JAN. 31ST -Noon	19.561	19.85	80.5	43.06	80.5	.0542	.8270	19.21.4	N	4 12 ,,
1	19.767	19.62	79.6	43.05	80.0	.0506	.8269	19.21.7	D	5 12 ,,
2	19.356	19.27	78.6	43.09	79.1	.0438	.8273	19.22.8	D	6 12 ,,
3	19.081	19.09	77.9	43.41	78.5	.0417	.8309	19.24.4	D	7 12 ,,
4	19.356	18.87	77.2	43.64	78.0	.0383	.8334	19.25.9	D	8 12 ,,
5	19.493	18.95	76.5	43.75	77.5	.0395	.8346	19.26.2	L	9 12 ,,
6	19.458	18.72	76.0	44.03	77.0	.0358	.8377	19.27.9	L	10 12 ,,
7	19.287	18.81	75.2	44.20	76.4	.0371	.8396	19.28.5	L	11 12 ,,
8	19.973	18.79	75.2	44.38	76.0	.0368	.8415	19.29.3	L	Midnight.
9	19.013	18.94	74.7	44.52	75.8	.0393	.8471	19.29.6	N	1 12 a. m.
10	19.767	18.57	74.1	44.71	75.3	.0333	.8452	19.31.2	N	2 12 ,,
11	19.561	18.63	73.9	44.85	75.1	.0342	.8467	19.31.7	N	3 12 ,,
12	19.699	18.74	73.2	44.94	74.8	.0360	.8477	19.31.8	N	4 12 ,,
13	19.561	18.65	73.0	45.07	74.3	.0346	.8491	19.32.4	D	5 12 ,,
14	19.013	18.56	72.3	45.32	74.0	.0329	.8519	19.33.8	D	6 12 ,,
15	18.944	18.99	72.2	45.46	73.7	.0401	.8534	19.33.5	D	7 12 ,,
16	19.287	19.18	72.9	45.62	73.9	.0442	.8552	19.33.7	D	8 12 ,,
17	19.115	19.28	74.4	45.50	74.0	.0448	.8539	19.33.0	L	9 12 ,,
18	19.150	19.67	76.0	45.15	74.9	.0514	.8500	19.30.8	L	10 12 ,,
19	18.670	19.85	77.7	44.80	75.9	.0542	.8462	19.28.8	L	11 12 ,,
20	18.121	19.61	78.6	44.23	77.0	.0503	.8399	19.26.9	L	Noon.
21	17.984	19.80	79.3	44.19	77.9	.0534	.8394	19.26.3	N	1 12 p. m.
22	17.915	19.45	80.0	43.96	78.6	.0477	.8369	19.25.9	N	2 12 ,,
23	18.327	19.10	80.5	43.88	79.4	.0420	.8360	19.26.4	N	3 12 ,,
FEB. 1ST—Noon	18.670	19.24	80.6	43.70	80.0	.0432	.8341	19.25.6	N	4 12 ,,
1	19.013	19.03	79.9	43.69	79.8	.0407	.8339	19.25.8	D	5 12 ,,
2	19.356	18.75	78.7	43.93	79.2	.0362	.8366	19.27.4	D	6 12 ,,
3	19.287	18.73	78.1	44.06	78.7	.0355	.8380	19.28.0	D	7 12 ,,
4	19.699	18.65	77.8	44.29	78.1	.0346	.8405	19.29.1	D	8 12 ,,
5	19.699	18.55	77.0	44.31	77.6	.0329	.8412	19.29.6	L	9 12 ,,
6	19.561	18.79	76.2	44.57	77.0	.0368	.8406	19.30.1	L	10 12 ,,
7	19.630	18.91	75.9	44.75	76.5	.0388	.8456	19.30.6	L	11 21 ,,
8	19.493	18.97	75.6	44.89	76.3	.0399	.8471	19.31.0	L	Midnight.
9	18.875	18.97	75.3	44.88	76.0	.0399	.8470	19.31.0	N	1 12 p. m.
10	19.113	19.00	75.0	44.97	75.8	.0403	.8480	19.31.4	N	2 12 ,,
11	18.875	19.02	74.8	45.12	75.6	.0405	.8497	19.32.0	N	3 12 ,,

DAILY OBSERVATIONS FROM 1ST TO 4TH FEBRUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical ForceMagnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
FEB. 1ST—12	18'875	18.98	74°4	45.25	75°0	8.0399	2.8511	19°32'6	N	4 12 a. m.
13	18.670	19.01	73.8	45.34	74.8	.0404	.8521	19.33.0	D	5 12 ,,
14	18.327	19.01	73.8	45.44	74.7	.0404	.8532	19.33.4	D	6 12 ,,
15	18.327	18.99	73.2	45.44	74.5	.0401	.8532	19.33.4	D	7 12 ,,
16	18.052	19.25	74.0	45.64	74.8	.0424	.8554	19.34.0	D	8 12 ,,
17	18.601	19.55	75.6	45.82	74.8	.0493	.8574	19.33.8	L	9 12 ,,
18	19.904	19.75	77.7	45.70	75.9	.0526	.8561	19.32.8	L	10 12 ,,
19	20.659	19.80	79.0	45.16	77.0	.0534	.8501	19.30.5	L	11 12 ,,
20	20.076	19.75	79.7	44.45	77.7	.0526	.8423	19.27.5	L	Noon.
21	18.738	19.90	80.6	44.21	78.6	.0551	.8397	19.26.2	N	1 12 p. m.
22	18.738	19.90	81.0	44.26	79.3	.0551	.8402	19.26.3	N	2 12 ,,
23	19.287	19.76	81.3	44.10	80.0	.0528	.8385	19.26.0	N	3 12 ,,
FEB. 3RD—Noon	18.601	19.71	81.8	43.31	82.1	.0519	.8298	19.22.7	D	4 12 ,,
1	18.670	19.53	79.9	43.55	81.7	.0489	.8324	19.24.1	D	5 12 ,,
2	18.807	19.29	78.7	43.86	80.4	.0440	.8358	19.26.2	D	6 12 ,,
3	18.944	19.24	78.2	44.08	79.2	.0432	.8382	19.27.1	D	7 12 ,,
4	18.807	19.30	78.0	44.26	78.7	.0453	.8402	19.27.6	D	8 12 ,,
5	18.807	19.31	77.6	44.50	78.2	.0454	.8429	19.28.7	L	9 12 ,,
6	18.807	19.29	77.3	44.67	78.0	.0440	.8447	19.29.7	L	10 12 ,,
7	18.875	19.23	76.8	44.84	76.3	.0430	.8464	19.30.3	L	11 12 ,,
8	18.875	19.24	76.4	44.91	77.0	.0432	.8474	19.30.7	L	Midnight.
9	18.807	19.11	75.5	45.13	77.3	.0421	.8498	19.31.8	N	1 12 a. m.
10	19.252	19.08	74.9	45.33	75.9	.0415	.8520	19.32.7	N	2 12 ,,
11	19.013	19.19	74.7	45.37	75.5	.0434	.8524	19.32.7	N	3 12 ,,
12	18.738	19.25	74.5	45.62	75.5	.0434	.8552	19.33.8	N	4 12 ,,
13	19.013	19.49	74.2	45.76	75.3	.0483	.8567	19.33.8	D	5 12 ,,
14	18.670	19.42	74.1	45.80	75.1	.0471	.8572	19.34.0	D	6 12 ,,
15	19.013	19.36	74.3	45.83	74.9	.0454	.8575	19.34.4	D	7 12 ,,
16	20.042	19.51	74.8	46.05	75.1	.0486	.8597	19.34.8	D	8 12 ,,
17	19.527	19.84	76.4	46.01	75.4	.0540	.8595	19.34.1	L	9 12 ,,
18	19.356	20.32	77.7	45.60	76.1	.0570	.8550	19.32.0	L	10 12 ,,
19	18.944	20.16	79.1	45.40	77.3	.0604	.8528	19.30.7	L	11 12 ,,
20	19.013	20.11	79.9	45.15	78.2	.0585	.8500	19.29.7	L	Noon.
21	18.738	20.00	80.3	44.72	79.0	.0575	.8453	19.28.1	N	1 12 p. m.
22	18.738	19.86	80.3	44.48	79.3	.0544	.8426	19.27.5	N	2 12 ,,
23	19.081	19.69	80.2	44.39	79.8	.0516	.8416	19.27.3	N	3 12 ,,
FEB. 4TH—Noon	18.670	19.60	80.0	44.25	80.0	.0502	.8401	19.27.0	N	4 12 ,,
1	18.601	19.57	79.1	44.19	79.8	.0497	.8394	19.26.7	D	5 12 ,,
2	18.670	19.41	78.3	44.42	78.9	.0470	.8420	19.28.2	D	6 12 ,,
3	18.944	19.46	77.8	44.65	78.3	.0479	.8445	19.29.1	D	7 12 ,,
4	18.807	19.60	77.5	44.79	78.1	.0502	.8460	19.29.3	D	8 12 ,,
5	18.875	19.48	77.4	44.79	77.9	.0480	.8460	19.29.6	L	9 12 ,,
6	18.875	19.44	77.1	44.88	77.6	.0475	.8470	19.30.0	L	10 12 ,,
7	18.944	19.37	76.4	44.91	77.0	.0465	.8474	19.30.2	L	11 12 ,,
8	19.150	19.23	75.7	44.99	76.6	.0430	.8482	19.31.0	L	Midnight.
9	18.875	19.28	75.3	45.18	76.1	.0438	.8503	19.31.8	N	1 12 a. m.
10	18.738	19.34	74.8	45.45	76.0	.0459	.8533	19.32.7	N	2 12 ,,
11	18.807	19.28	74.3	45.56	75.4	.0438	.8545	19.33.5	N	3 12 ,,
12	18.327	19.39	74.0	45.80	75.1	.0477	.8572	19.33.9	N	4 12 ,,
13	17.641	13.35	73.5	45.90	74.9	.0461	.8583	19.34.6	D	5 12 ,,
14	17.984	19.24	73.2	45.98	74.3	.0432	.8591	19.35.3	D	6 12 ,,
15	17.641	19.68	72.9	46.12	74.1	.0514	.8607	19.35.0	D	7 12 ,,
16	18.601	19.84	74.2	46.37	74.4	.0540	.8630	19.35.5	D	8 12 ,,
17	18.738	20.00	75.7	46.22	74.7	.0567	.8618	19.34.6	L	9 12 ,,
18	19.287	20.02	77.5	45.88	75.9	.0569	.8580	19.33.1	L	10 12 ,,
19	18.395	20.36	78.1	45.30	76.5	.0626	.8517	19.29.9	L	11 12 ,,
20	19.013	20.18	78.9	45.13	77.1	.0596	.8498	19.29.5	L	Noon.
21	19.424	20.26	79.6	44.94	78.0	.0610	.8477	19.28.6	N	1 12 p. m.
22	19.356	20.22	80.2	44.67	79.0	.0604	.8447	19.27.6	N	2 12 ,,
23	18.807	20.17	80.6	44.50	80.0	.0596	.8429	19.26.8	N	3 12 ,,

On the 4th, at about 19h., Dip as obtained by Observation was 18°58'1.

DAILY OBSERVATIONS FROM 5TH TO 7TH FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 5th—Noon	18°532	19.92	80°4	44.28	80°0	8.0555	2.8406	19°26′3	N	4 12 p. m.
1	18.670	19.88	80.0	44.20	80.0	.0546	.8336	19.26.1	N	5 12 ,,
2	18.944	19.68	79.0	44.48	79.2	.0514	.8426	19.27.9	N	6 12 ,,
3	19.013	19.59	78.7	44.66	78.7	.0499	.8446	19.28.8	D	7 12 ,,
4	18.944	19.47	78.1	44.80	78.3	.0481	.8462	19.29.6	D	8 12 ,,
5	19.013	19.43	77.9	44.94	78.0	.0473	.8477	19.30.4	L	9 12 ,,
6	19.218	19.33	77.3	45.12	77.4	.0457	.8497	19.31.3	L	10 12 ,,
7	19.218	19.22	76.8	45.20	77.2	.0470	.8506	19.32.0	L	11 12 ,,
8	19.218	19.29	76.4	45.29	76.9	.0440	.8515	19.32.3	L	Midnight.
9	19.013	19.37	76.0	45.59	76.3	.0465	.8548	19.33.2	N	1 12 a. m.
10	18.670	19.58	75.8	45.48	76.1	.0491	.8536	19.32.3	N	2 12 ,,
11	18.532	19.69	76.1	45.60	76.1	.0516	.8550	19.32.6	N	3 12 ,,
12	17.984	19.88	75.9	45.64	76.2	.0556	.8554	19.32.2	D	4 12 ,,
13	17.984	19.66	75.3	45.77	75.8	.0512	.8568	19.33.4	D	5 12 ,,
14	17.984	19.62	75.1	45.77	75.6	.0505	.8568	19.33.4	D	6 12 ,,
15	17.641	19.66	74.8	46.01	75.3	.0512	.8595	19.34.5	D	7 12 ,,
16	18.327	19.96	75.3	46.07	75.7	.0561	.8601	19.34.0	D	8 12 ,,
17	19.424	20.26	76.6	46.02	75.8	.0610	.8596	19.33.2	L	9 12 ,,
18	19.356	20.57	78.2	45.75	76.5	.0661	.8566	19.31.3	L	10 12 ,,
19	19.150	20.72	79.4	45.56	77.9	.0677	.8545	19.30.4	L	11 12 ,,
20	19.013	20.72	80.7	45.41	79.0	.0677	.8529	19.29.7	L	Noon.
21	20.110	20.49	82.0	45.16	80.2	.0647	.8501	19.28.9	N	1 12 p. m.
22	20.385	20.50	83.2	44.55	81.5	.0649	.8434	19.26.3	N	2 12 ,,
23	20.316	20.43	83.6	44.12	82.2	.0637	.8387	19.24.7	N	3 12 ,,
Feb. 6th—Noon	19.561	20.34	83.7	43.69	82.9	.0622	.8330	19.23.0	N	4 12 ,,
1	18.738	20.17	82.8	43.58	82.8	.0604	.8327	19.22.9	D	5 12 ,,
2	18.738	19.96	81.8	43.96	82.0	.0571	.8369	19.24.8	D	6 12 ,,
3	18.670	19.95	81.0	44.14	81.2	.0559	.8389	19.25.7	D	7 12 ,,
4	19.013	19.90	80.7	44.22	80.8	.0551	.8398	19.26.2	D	8 12 ,,
5	18.738	19.71	80.1	44.32	80.0	.0519	.8409	19.27.0	L	9 12 ,,
6	18.670	19.62	79.8	44.49	79.8	.0506	.8427	19.28.0	L	10 12 ,,
7	18.738	19.58	79.6	44.56	79.4	.0497	.8435	19.28.4	L	11 12 ,,
8	18.670	19.48	79.3	44.66	79.3	.0481	.8446	19.29.1	L	Midnight.
9	18.807	19.40	79.0	44.73	79.0	.0469	.8454	19.29.5	N	1 12 a. m.
10	19.150	19.33	79.0	44.87	78.9	.0457	.8469	19.30.1	N	2 12 ,,
11	18.944	19.25	78.6	44.86	78.6	.0434	.8468	19.30.5	N	3 12 ,,
12	18.738	19.18	77.9	44.94	78.1	.0432	.8477	19.30.9	N	4 12 ,,
13	18.670	19.39	77.7	44.99	77.9	.0477	.8482	19.30.4	D	5 12 ,,
14	19.013	19.62	77.6	45.03	77.6	.0506	.8487	19.30.3	D	6 12 ,,
15	17.298	19.50	77.5	45.23	77.8	.0485	.8509	19.31.3	D	7 12 ,,
16	17.641	19.82	78.1	45.44	78.1	.0538	.8532	19.31.6	D	8 12 ,,
17	18.327	19.84	79.7	45.27	78.4	.0540	.8513	19.30.9	L	9 12 ,,
18	18.807	19.83	81.1	45.16	79.3	.0538	.8501	19.30.4	L	10 12 ,,
19	18.258	19.60	82.2	44.92	80.6	.0502	.8475	19.29.9	L	11 12 ,,
20	18.052	19.60	82.7	44.77	81.0	.0502	.8458	19.29.3	L	Noon.
21	18.601	19.41	83.0	44.61	81.8	.0470	.8441	19.29.0	N	1 12 p. m.
22	19.081	19.22	83.6	44.46	82.0	.0460	.8424	19.28.4	N	2 12 ,,
23	19.630	19.35	83.9	44.13	82.8	.0461	.8388	19.27.0	N	3 12 ,,
Feb. 7th—Noon	19.218	19.33	83.5	43.78	82.8	.0477	.8349	19.25.2	N	4 12 ,,
1	18.670	19.21	82.3	43.67	82.3	.0427	.8337	19.25.5	D	5 12 ,,
2	19.013	18.83	81.9	43.99	81.3	.0375	.8372	19.27.4	D	6 12 ,,
3	19.424	18.39	81.2	44.23	80.9	.0303	.8399	19.29.5	D	7 12 ,,
4	19.013	18.68	80.9	44.32	80.7	.0350	.8409	19.29.2	D	8 12 ,,
5	19.218	18.91	80.4	44.45	80.1	.0388	.8423	19.29.3	L	9 12 ,,
6	19.150	19.01	80.2	44.50	79.9	.0404	.8429	19.29.4	L	10 12 ,,
7	19.150	18.99	79.9	44.59	79.7	.0401	.8438	19.29.8	L	11 12 ,,
8	19.150	19.02	79.8	44.67	79.6	.0406	.8447	19.30.1	L	Midnight.
9	19.013	19.04	79.4	44.72	79.0	.0408	.8453	19.30.3	N	1 12 a. m.
10	18.807	19.10	79.2	44.87	79.0	.0421	.8469	19.30.6	N	2 12 ,,
11	18.738	19.15	79.0	44.91	78.8	.0428	.8474	19.30.7	N	3 12 ,,

On the 7th, at about 18h., Dip as obtained by Observation was 18°59′7.

DAILY OBSERVATIONS FROM 7TH TO 10TH FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	°									h. m.
Feb. 7th—12	18'327	19.22	78°8	44.86	78°8	8.0430	2.8468	19°30'5	N	4 12 a. m.
13	17.984	19.28	78.4	44.96	78.7	.0438	.8479	19.30.8	D	5 12 „
14	17.984	19.24	78.2	45.05	78.3	.0432	.8489	19.31.3	D	6 12 „
15	17.709	19.31	77.8	44.99	78.1	.0454	.8482	19.30.7	D	7 12 „
16	18.327	19.62	78.1	45.19	77.9	.0506	.8504	19.30.9	D	8 12 „
17	18.807	19.99	79.3	45.17	78.1	.0565	.8502	19.30.0	L	9 12 „
18	18.807	19.94	80.1	45.08	78.5	.0557	.8492	19.29.7	L	10 12 „
19	18.464	20.13	81.6	44.88	79.9	.0588	.8470	19.28.5	L	11 12 „
20	18.327	20.16	82.6	44.67	80.7	.0594	.8447	19.27.7	L	Noon.
21	18.807	19.83	83.0	44.53	81.0	.0538	.8432	19.27.7	N	1 12 p. m.
22	19.493	19.67	83.2	44.36	82.0	.0516	.8413	19.27.2	N	2 12 „
23	20.042	19.71	83.8	44.08	82.8	.0519	.8382	19.25.9	N	3 12 „
Feb. 8th—Noon	19.767	19.65	83.8	43.69	83.0	.0510	.8339	19.24.5	N	4 12 „
1	19.013	19.51	83.0	43.53	82.8	.0486	.8322	19.24.0	D	5 12 „
2	18.944	19.35	82.0	43.57	82.3	.0461	.8324	19.24.5	D	6 12 „
3	19.013	19.23	81.4	43.85	81.8	.0430	.8357	19.26.3	D	7 12 „
4	19.013	19.00	81.0	44.03	81.1	.0403	.8377	19.27.4	D	8 12 „
5	19.013	19.13	80.4	44.12	80.6	.0424	.8387	19.27.5	L	9 12 „
6	19.081	19.19	79.9	44.29	80.2	.0434	.8405	19.28.1	L	10 12 „
7	19.287	19.17	79.4	44.49	80.0	.0432	.8418	19.28.6	L	11 12 „
8	19.150	19.26	79.0	44.49	79.7	.0436	.8427	19.28.9	L	Midnight.
9	19.013	19.29	78.7	44.59	79.5	.0440	.8438	19.29.3	N	1 12 a. m.
10	18.738	19.30	78.4	44.67	78.9	.0453	.8447	19.29.5	N	2 12 „
11	18.670	19.53	78.3	44.70	78.7	.0489	.8451	19.29.1	N	3 12 „
12	18.670	19.42	78.1	44.79	78.4	.0465	.8460	19.29.7	N	4 12 „
13	18.670	19.55	78.0	44.95	78.2	.0493	.8478	19.30.1	D	5 12 „
14	18.327	19.39	77.7	45.04	78.0	.0457	.8488	19.30.9	D	6 12 „
15	18.464	19.56	77.3	45.08	77.8	.0495	.8492	19.30.5	D	7 12 „
16	17.984	19.69	77.7	45.18	77.7	.0516	.8503	19.30.7	D	8 12 „
17	18.052	19.99	78.4	46.19	77.6	.0565	.8504	19.30.1	L	9 12 „
18	17.778	20.23	79.8	45.01	78.3	.0604	.8485	19.29.0	L	10 12 „
19	17.435	20.47	81.0	44.77	79.0	.0645	.8458	19.27.3	L	11 12 „
20	17.984	20.44	82.2	44.70	80.0	.0639	.8451	19.27.2	L	Noon.
21	18.781	20.14	82.5	44.53	80.9	.0590	.8432	19.27.0	N	1 12 p. m.
22	19.669	19.94	82.8	44.41	81.6	.0557	.8419	19.26.9	N	2 12 „
23	20.042	19.74	83.0	44.16	82.1	.0524	.8380	19.25.9	N	3 12 „
Feb. 10th—Noon	19.287	19.67	83.1	43.60	83.2	.0514	.8330	19.24.2	D	4 12 „
1	19.424	19.46	82.3	43.44	83.0	.0479	.8312	19.23.7	D	5 12 „
2	19.150	19.21	81.1	43.58	82.7	.0427	.8327	19.25.1	D	6 12 „
3	18.807	19.01	80.3	43.84	81.4	.0404	.8356	19.26.6	D	7 12 „
4	19.150	19.06	79.8	44.02	80.7	.0413	.8376	19.27.2	D	8 12 „
5	18.944	19.35	79.3	43.99	80.2	.0461	.8372	19.26.3	L	9 12 „
6	18.944	19.22	79.0	44.37	79.8	.0430	.8414	19.28.4	L	10 12 „
7	19.150	19.09	78.7	44.36	79.3	.0417	.8413	19.28.5	L	11 12 „
8	18.807	19.49	78.6	44.41	79.0	.0483	.8419	19.28.0	L	Midnight.
9	18.464	19.46	78.3	44.72	79.0	.0479	.8453	19.29.4	N	1 12 a. m.
10	18.875	19.31	77.8	44.86	78.5	.0454	.8468	19.30.2	N	2 12 „
11	18.832	19.24	77.2	44.89	78.0	.0432	.8471	19.30.6	N	3 12 „
12	18.832	19.36	77.0	45.03	77.6	.0463	.8487	19.30.9	N	4 12 „
13	17.984	19.39	76.7	45.03	77.6	.0467	.8487	19.30.8	D	5 12 „
14	18.121	19.39	76.7	45.28	77.5	.0467	.8514	19.31.8	D	6 12 „
15	18.670	19.44	76.7	45.42	77.3	.0475	.8530	19.32.4	D	7 12 „
16	19.013	19.56	78.3	45.53	77.7	.0495	.8542	19.32.5	D	8 12 „
17	18.738	19.78	78.6	450.2	77.9	.0530	.8486	19.29.9	L	9 12 „
18	17.984	20.00	80.1	44.57	78.9	.0567	.8436	19.27.5	L	10 12 „
19	17.366	20.33	81.1	44.27	79.6	.0620	.8403	19.25.5	L	11 12 „
20	17.709	20.40	81.5	44.23	80.3	.0633	.8399	19.25.2	L	Noon.
21	18.361	20.26	82.2	44.28	81.0	.0610	.8404	19.25.7	N	1 12 p. m.
22	18.601	20.05	82.5	44.09	81.9	.0575	.8383	19.25.3	N	2 12 „
23	19.356	19.77	82.8	43.97	82.3	.0530	.8370	19.25.4	N	3 12 „

On the 8th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 11TH TO 13TH FEBRUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
FEB. 11TH-Noon	19·493	19.60	83·0	43.69	83·0	8.0532	2.8339	19°24′6	N	4 12 p. m.
1	19.424	19.50	82.5	43.48	82.7	.0485	.8316	19.23.9	D	5 12 ,,
2	20.659	18.79	81.5	43.72	82.3	.0368	.8343	19.26.5	D	6 12 ,,
3	20.247	18.49	80.7	43.81	81.9	.0319	.8353	19.27.5	D	7 12 ,,
4	19.973	18.65	80.5	43.83	81.0	.0346	.8355	19.27.2	D	8 12 ,,
5	19.767	18.98	79.8	43.95	80.4	.0409	.8368	19.26.9	L	9 12 ,,
6	19.424	18.96	79.1	44.16	79.9	.0397	.8391	19.27.9	L	10 12 ,,
7	19.595	18.94	78.7	44.39	79.2	.0393	.8416	19.29.0	L	11 12 ,,
8	19.013	18.97	78.4	44.48	79.0	.0409	.8426	19.29.2	L	Midnight.
9	18.807	19.04	78.2	44.57	78.8	.0409	.8436	19.29.6	N	1 12 a. m.
10	17.778	19.43	78.2	44.56	78.0	.0473	.8435	19.28.8	N	2 12 ,,
11	18.601	19.28	77.9	44.76	78.0	.0438	.8457	19.30.1	N	3 12 ,,
12	18.670	19.25	77.5	44.74	78.1	.0434	.8455	18.30.1	N	4 12 ,,
13	18.670	19.32	77.6	44.94	77.7	.0457	.8477	19.30.5	D	5 12 ,,
14	18.670	19.35	77.5	45.03	77.9	.0461	.8487	19.30.9	D	6 12 ,,
15	18.670	19.37	77.6	45.04	78.2	.0465	.8488	19.30.8	D	7 12 ,,
16	19.287	19.46	78.3	45.05	78.2	.0479	.8489	19.30.7	D	8 12 ,,
17	19.836	19.66	79.3	44.96	79.6	.0512	.8479	19.29.9	L	9 12 ,,
18	19.904	19.61	80.6	44.76	79.4	.0503	.8459	19.29.3	L	10 12 ,,
19	18.807	20.19	82.6	44.21	80.2	.0598	.8397	19.25.6	L	11 12 ,,
20	18.464	20.05	82.9	43.94	81.4	.0575	.8367	19.24.7	L	Noon.
21	18.121	20.02	83.1	43.81	82.0	.0587	.8353	19.24.0	N	1 12 p. m.
22	18.464	19.75	83.2	43.72	82.3	.0526	.8343	19.24.4	N	2 12 ,,
23	18.670	19.77	83.2	43.49	83.0	.0530	.8317	19.23.4	N	3 12 ,,
FEB. 12TH-Noon	18.670	19.57	83.0	43.40	83.2	.0499	.8308	19.23.4	N	4 12 ,,
1	19.013	19.37	82.1	43.18	82.8	.0457	.8283	19.22.9	D	5 12 ,,
2	19.013	19.16	81.3	43.37	82.2	.0447	.8304	19.23.8	D	6 12 ,,
3	20.453	19.23	80.4	43.53	81.8	.0430	.8322	19.24.8	D	7 12 ,,
4	19.287	18.87	80.1	43.65	81.1	.0383	.8335	19.26.1	D	8 12 ,,
5	19.150	19.28	79.9	43.80	80.5	.0438	.8352	19.25.9	L	9 12 ,,
6	19.218	19.05	79.4	44.01	80.2	.0411	.8375	19.27.2	L	10 12 ,,
7	18.944	19.01	79.3	44.08	80.0	.0404	.8382	19.27.5	L	11 12 ,,
8	18.875	19.10	79.0	43.99	79.7	.0420	.8372	19.26.8	L	Midnight.
9	18.875	19.01	78.8	44.10	79.4	.0404	.8385	19.27.7	N	1 12 a. m.
10	18.807	19.09	78.3	44.22	79.1	.0417	.8398	19.27.9	N	2 12 ,,
11	18.670	19.13	77.9	44.36	78.8	.0424	.8413	19.28.5	N	3 12 ,,
12	18.670	19.20	77.9	44.46	78.5	.0426	.8424	19.28.8	N	4 12 ,,
13	19.013	19.15	77.5	44.55	78.2	.0428	.8435	19.29.3	D	5 12 ,,
14	18.660	19.16	77.3	44.59	78.1	.0430	.8438	19.29.4	D	6 12 ,,
15	18.327	19.07	77.1	44.74	78.0	.0415	.8455	19.30.2	D	7 12 ,,
16	19.013	19.34	78.2	44.95	78.3	.0459	.8478	19.30.5	D	8 12 ,,
17	20.247	19.48	79.4	44.78	78.8	.0480	.8459	19.29.6	L	9 12 ,,
18	19.561	19.54	80.4	44.47	79.6	.0491	.8425	19.28.1	L	10 12 ,,
19	18.875	19.72	81.1	44.52	80.0	.0520	.8431	19.27.9	L	11 12 ,,
20	18.807	19.81	81.7	43.88	80.8	.0535	.8360	19.24.9	L	Noon.
21	18.532	19.67	81.8	43.73	81.0	.0516	.8344	19.24.5	N	1 12 p. m.
22	18.738	19.64	82.2	43.67	81.7	.0508	.8337	19.24.5	N	2 12 ,,
23	18.738	19.69	82.3	43.54	82.0	.0516	.8323	19.23.7	N	3 12 ,,
FEB. 13TH-Noon	18.875	19.53	81.9	43.54	82.0	.0489	.8323	19.24.1	N	4 12 ,,
1	19.013	19.21	81.0	43.45	81.8	.0427	.8313	19.24.5	D	5 12 ,,
2	19.013	19.24	80.2	43.63	81.0	.0432	.8333	19.25.3	D	6 12 ,,
3	19.013	19.16	79.8	43.77	80.6	.0430	.8347	19.25.9	D	7 12 ,,
4	19.218	19.01	79.3	43.96	80.2	.0404	.8369	19.27.0	D	8 12 ,,
5	19.218	18.90	79.0	44.00	80.0	.0387	.8374	19.27.3	L	9 12 ,,
6	19.150	19.04	78.7	44.09	79.6	.0409	.8383	19.27.5	L	10 12 ,,
7	19.287	18.97	78.5	44.18	79.3	.0399	.8393	19.28.0	L	11 12 ,,
8	19.218	19.08	78.3	44.23	79.1	.0415	.8399	19.27.9	L	Midnight.
9	18.807	19.35	78.0	44.37	78.9	.0451	.8414	19.28.1	N	1 12 a. m.
10	18.807	19.21	77.8	44.56	78.5	.0427	.8835	19.29.3	N	2 12 ,,
11	18.670	19.09	77.2	44.55	78.2	.0417	.8434	19.29.3	N	3 12 ,,

On the 11th, at about 18h., Dip as obtained by Observation was 18°57′7.

DAILY OBSERVATIONS FROM 13TH TO 15TH FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 13th—12	19°013	19.01	76°8	44.69	77°9	8.0404	2.8449	19°30'2	N	4 12 a. m.
13	19.356	19.02	76.1	44.87	77.4	.0407	.8469	19.30.8	D	5 12 ,,
14	19.356	19.01	75.8	44.92	77.2	.0404	.8475	19.31.2	D	6 12 ,,
15	19.013	19.08	75.9	45.06	76.9	.0415	.8490	19.31.5	D	7 12 ,,
16	19.699	19.39	76.7	45.27	77.2	.0457	.8513	19.31.9	D	8 12 ,,
17	20.247	19.48	77.8	45.01	77.6	.0481	.8485	19.30.6	L	9 12 ,,
18	19.287	19.66	78.9	44.45	78.4	.0512	.8423	19.27.8	L	10 12 ,,
19	17.709	19.89	80.0	44.15	79.0	.0548	.8390	19.25.9	L	11 12 ,,
20	17.229	19.95	80.7	44.04	79.7	.0559	.8378	19.25.3	L	Noon.
21	17.778	19.89	80.8	43.89	80.2	.0548	.8361	19.24.7	N	1 12 p. m.
22	18.327	19.82	81.0	43.83	80.9	.0538	.8355	19.24.8	N	2 12 ,,
23	18.532	19.79	81.0	43.63	81.0	.0532	.8333	19.24.0	N	3 12 ,,
Feb. 14th-Noon	18.738	19.69	80.8	43.64	81.2	.0516	.8334	19.24.1	N	4 12 ,,
1	18.738	19.60	80.0	43.53	81.0	.0502	.8322	19.23.9	D	5 12 ,,
2	19.013	19.40	79.5	43.67	80.5	.0469	.8337	19.25.0	D	6 12 ,,
3	18.944	19.22	79.1	43.75	80.1	.0430	.8346	19.25.8	D	7 12 ,,
4	19.081	19.11	78.8	43.99	79.7	.0421	.8372	19.26.8	D	8 12 ,,
5	19.150	18.87	78.4	44.04	79.2	.0393	.8378	19.27.5	L	9 12 ,,
6	19.081	18.82	78.1	44.16	78.8	.0375	.8391	19.28.2	L	10 12 ,,
7	18.895	18.96	77.9	44.26	78.5	.0397	.8402	19.28.4	L	11 12 ,,
8	18.738	18.97	77.5	44.39	78.4	.0399	.8416	19.28.9	L	Midnight.
9	18.670	18.98	77.3	44.44	78.0	.0399	.8422	19.29.1	N	1 12 a. m.
10	18.807	18.88	76.9	44.52	77.9	.0383	.8431	19.29.8	N	2 12 ,,
11	19.081	18.96	76.3	44.62	77.4	.0397	.8442	19.29.9	N	3 12 ,,
12	19.218	18.94	75.5	44.79	77.0	.0393	.8460	19.30.7	N	4 12 ,,
13	19.013	18.92	75.1	44.90	76.8	.0391	.8473	19.31.2	D	5 12 ,,
14	19.013	19.08	74.9	45.00	76.5	.0415	.8484	19.31.2	D	6 12 ,,
15	18.327	18.94	74.7	45.13	75.9	.0393	.8498	19.32.2	D	7 12 ,,
16	19.973	19.09	75.2	45.19	76.2	.0417	.8504	19.32.0	D	8 12 ,,
17	19.356	19.36	76.4	45.21	76.4	.0464	.8507	19.31.7	L	9 12 ,,
18	18.944	19.52	77.8	44.92	77.2	.0489	.8475	19.30.0	L	10 12 ,,
19	18.327	19.69	79.1	44.73	78.3	.0516	.8454	19.28.8	L	11 12 ,,
20	18.258	19.69	80.0	44.37	79.0	.0516	.8414	19.27.2	L	Noon.
21	18.670	19.64	80.5	44.29	79.8	.0508	.8405	19.27.1	N	1 12 p. m.
22	19.561	19.53	81.1	44.06	80.2	.0489	.8380	19.26.3	N	2 12 ,,
23	19.287	19.49	81.2	43.88	81.0	.0483	.8360	19.25.6	N	3 12 ,,
Feb. 15th-Noon	19.356	19.30	81.0	43.59	81.4	.0453	.8328	19.24.8	N	4 12 ,,
1	19.013	19.37	80.6	43.36	80.4	.0465	.8303	19.23.6	D	5 12 ,,
2	19.218	19.29	79.7	43.62	80.5	.0440	.8332	19.25.1	D	6 12 ,,
3	19.013	19.32	79.1	43.80	80.0	.0455	.8352	19.25.6	D	7 12 ,,
4	18.738	19.33	78.9	43.99	79.7	.0457	.8372	19.26.4	D	8 12 ,,
5	18.738	19.35	78.6	44.02	79.4	.0461	.8376	19.26.5	L	9 12 ,,
6	18.601	19.30	78.4	44.17	79.1	.0463	.8392	19.27.2	L	10 12 ,,
7	18.738	19.37	78.2	44.27	78.9	.0465	.8403	19.27.5	L	11 12 ,,
8	18.644	19.14	77.7	44.34	78.5	.0426	.8411	19.28.3	L	Midnight.
9	18.670	19.21	77.3	44.45	78.2	.0427	.8423	19.28.8	N	1 12 a. m.
10	18.327	19.32	77.1	44.44	78.0	.0455	.8422	19.28.3	N	2 12 ,,
11	18.327	19.12	76.7	44.72	77.6	.0424	.8453	19.30.1	N	3 12 ,,
12	18.189	19.01	76.3	44.77	77.2	.0404	.8456	19.30.6	N	4 12 ,,
13	18.944	18.89	75.7	44.91	77.0	.0385	.8478	19.31.4	D	5 12 ,,
14	18.670	19.24	75.7	45.00	76.8	.0432	.8484	19.31.1	D	6 12 ,,
15	18.052	19.06	75.3	45.26	76.9	.0413	.8512	19.32.5	D	7 12 ,,
16	19.150	19.41	75.8	45.40	76.9	.0470	.8528	19.32.4	D	8 12 ,,
17	19.973	19.68	77.0	45.27	76.9	.0514	.8513	19.31.3	L	9 12 ,,
18	19.699	19.87	78.7	44.86	77.8	.0546	.8468	19.28.9	L	10 12 ,,
19	18.670	20.04	80.0	44.33	78.9	.0573	.8461	19.27.7	L	11 12 ,,
20	18.875	20.06	80.8	44.10	79.4	.0575	.8385	19.25.2	L	Noon.
21	19.356	19.79	81.2	44.12	80.0	.0532	.8387	19.26.1	N	1 12 p. m.
22	19.424	19.78	81.7	43.92	80.5	.0530	.8361	19.25.0	N	2 12 ,,
23	19.356	19.67	81.8	43.64	81.2	.0514	.8334	19.24.3	N	3 12 ,,

On the 14th, at about 19h., Dip as obtained by Observation was 18°48'8.
On the 15th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 17TH TO 19TH FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 17th-Noon	20°385	19.53	81°9	43.71	82°1	8.0489	2.8342	19°24'8	D	4 12 p. m.
1	19.699	19.69	81.7	43.47	82.0	.0516	.8314	19.23.3	D	5 12 ,,
2	19.013	19.31	80.8	43.55	81.7	.0454	.8324	19.24·8	D	6 12 ,,
3	19.287	19.33	80.1	43.73	80.9	.0457	.8344	19.25·3	D	7 12 ,,
4	19.356	19.31	79.8	43.86	80.2	.0454	.8358	19.26.0	D	8 12 ,,
5	19.081	19.25	79.6	44.00	80.1	.0434	.8374	19.26.8	L	9 12 ,,
6	19.150	19.18	79.4	44.15	79.8	.0432	.8391	19.27.5	L	10 12 ,,
7	19.150	19.27	79.3	44.21	79.7	.0438	·8397	19.27.7	L	11 12 ,,
8	19.150	19.26	78.7	44.22	79.1	.0436	·8398	19.27.7	L	Midnight.
9	19.150	19.26	78.3	44.37	79.0	.0436	.8414	19.28.3	N	1 12 a. m.
10	19.013	19.29	78.0	44.44	78.8	.0440	.8422	19.28·6	N	2 12 ,,
11	19.013	19.30	77.5	44.55	78.2	.0453	.8434	19.28.9	N	3 12 ,,
12	19.493	19.27	77.5	44.69	78.0	.0438	·8449	19.29.7	N	4 12 ,,
13	19.013	19.24	77.2	44.74	78.0	.0432	.8455	19.30.1	D	5 12 ,,
14	19.013	19.32	77.1	44.73	77.8	.0455	.8454	19.29.6	D	6 12 ,,
15	19.356	19.45	77.0	44.78	77.5	.0477	.8459	19.29.6	D	7 12 ,,
16	18.875	19.66	77.8	44.94	77.9	.0512	.8477	19.29.9	D	8 12 ,,
17	19.013	19.92	79.0	44.75	78.3	.0554	.8456	19.28.5	L	9 12 ,,
18	18.875	20.00	80.4	44.45	79.0	.0567	.8423	19·27.0	L	10 12 ,,
19	18.532	20.15	81.9	44.06	80.2	.0592	.8380	19.25.0	L	11 12 ,,
20	18.875	20.26	83.3	43.79	81.4	.0594	.8350	19·23.9	L	Noon.
21	18.875	20.04	83.8	43.56	82.0	.0573	.8325	19.23.2	N	1 12 p. m.
22	18.670	19.92	84.3	43.34	83.0	.0555	.8301	19.22.3	N	2 12 ,,
23	19.013	19.75	84.5	43.11	83.5	.0526	.8276	19.21.7	N	3 12 ,,
Feb. 18th-Noon	18.944	19.82	84.2	43.06	83.8	.0538	.8270	19.21.4	N	4 12 ,,
1	19.013	19.53	82.9	42.91	83.5	.0489	.8254	19.21.4	D	5 12 ,,
2	19.287	19.38	81.9	43.09	82.9	.0475	.8273	19.22.3	D	6 12 ,,
3	19.287	19.23	80.9	43.29	81.2	.0430	.8295	19.23.8	D	7 12 ,,
4	19.356	19.29	80.7	43.55	81.7	.0440	·8324	19.24.8	D	8 12 ,,
5	19.356	19.13	80.0	43.64	81.3	.0422	.8334	19.25.4	L	9 12 ,,
6	19.356	19.00	79.3	43.74	80.6	.0403	.8345	19.26.2	L	10 12 ,,
7	19.561	19.01	78.9	43.95	80.1	.0404	.8368	19.27.0	L	11 12 ,,
8	19.561	19.09	78.6	44.09	79.7	.0417	·8383	19.27.3	L	Midnight.
9	19.287	19.16	78.2	44.23	79.2	.0430	.8399	19.27.8	N	1 12 a. m.
10	19.287	19.25	78.2	44.39	79.0	.0436	.8414	19.28.3	N	2 12 ,,
11	18.944	19.22	77.7	44.46	78.8	.0428	.8424	19.28.8	N	3 12 ,,
12	18.875	19.35	77.5	44.55	78.3	.0461	.8434	19·28.8	N	4 12 ,,
13	18.670	19.25	77.0	44.44	78.1	.0434	.8422	19.28.7	D	5 12 ,,
14	18.670	19.40	77.0	44.74	77.9	.0469	.8455	19.29.6	D	6 12 ,,
15	19.013	19.44	77.2	44.83	77.8	.0475	.8465	19.29.8	D	7 12 ,,
16	20.316	19.58	77.9	45.09	78.1	.0497	.8493	19.30.6	D	8 12 ,,
17	20.933	19.96	79.0	44.87	78.4	.0571	.8469	19.28.7	L	9 12 ,,
18	21.208	20.35	80.8	44.63	79.3	.0624	.8443	19.27.1	L	10 12 ,,
19	20.522	20.21	81.9	44.23	80.4	.0601	.8399	19.25.7	L	11 12 ,,
20	19.767	20.47	83.5	43.89	82.2	.0645	.8361	19·23.4	L	Noon.
21	19.493	20.34	85.3	43.46	83.2	.0632	.8314	19.21.9	N	1 12 p. m.
22	19.218	20.11	85.8	43.30	84.0	.0585	.8297	19.21.8	N	2 12 ,,
23	19.013	19.97	85.8	43.04	84.8	.0565	.8268	19.20.9	N	3 12 ,,
Feb. 19th-Noon	18.875	19.85	85.5	42.45	85.0	.0542	.8247	19.20.6	N	4 12 ,,
1	18.601	19.71	84.3	42.75	84.9	.0519	.8236	19.20.3	D	5 12 ,,
2	18.738	19.57	83.1	42.91	83.5	.0497	.8254	19.21.3	D	6 12 ,,
3	18.738	19.43	82.4	43.19	83.1	.0473	.8284	19.22.8	D	7 12 ,,
4	18.601	19.46	81.8	43.28	82.7	.0479	.8294	19.23.1	D	8 12 ,,
5	18.807	19.35	81.0	43.47	82.3	.0461	.8315	19.24.2	L	9 12 ,,
6	18.875	19.44	80.9	43.61	81.9	.0475	.8331	19.24.5	L	10 12 ,,
7	18.875	19.47	80.7	43.77	81.7	.0481	.8348	19.25.3	L	11 12 ,,
8	18.875	19.45	81.0	43.70	81.6	.0477	.8341	19.25.0	L	Midnight.
9	18.807	19.48	80.9	43.76	81.3	.0481	.8347	19·25.3	N	1 12 a. m.
10	18.670	19.64	80.7	43.84	81.2	.0508	.8356	19.25.2	N	2 12 ,,
11	18.601	19.56	80.0	43.93	80.9	.0495	.8366	19.25.6	N	3 12 ,,

On the 18th, at about 18h., Dip as obtained by Observation was 18°54'0.

DAILY OBSERVATIONS FROM 19TH TO 21ST FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 19th—12	18°532	19.45	79°5	43.94	80°5	8.0477	2.8367	19°26′0	N	4 12 a. m.
13	17.984	19.47	79.1	44.01	80.2	.0481	.8375	19.26.3	D	5 12 „
14	18.327	19.66	78.8	44.10	80.0	.0512	.8385	19.26.3	D	6 12 „
15	18.670	19.65	78.5	44.39	79.7	.0510	.8416	19.27.5	D	7 12 „
16	19.356	20.07	79.4	44.49	79.8	.0579	.8427	19.27.1	D	8 12 „
17	19.699	20.16	80.8	44.36	80.1	.0594	.8413	19.26.3	L	9 12 „
18	19.699	20.48	82.3	44.03	81.0	.0645	.8377	19.24.1	L	10 12 „
19	19.013	20.70	84.0	43.57	82.4	.0682	.8326	19.21.8	L	11 12 „
20	18.395	20.66	85.3	43.30	83.2	.0675	.8297	19.20.7	L	Noon.
21	18.155	20.44	86.2	43.22	84.0	.0639	.8288	19.20.8	N	1 12 p. m.
22	18.738	20.26	87.3	43.06	85.3	.0610	.8270	19.20.5	N	2 12 „
23	18.670	20.07	87.2	42.87	85.7	.0579	.8249	19.20.1	N	3 12 „
Feb. 20th-Noon	18.738	19.92	86.5	42.85	85.5	.0555	.8247	19.20.3	N	4 12 „
1	18.738	19.83	85.5	42.90	84.9	.0540	.8253	19.20.8	L	5 12 „
2	18.807	19.67	84.8	43.03	84.4	.0514	.8267	19.21.7	L	6 12 „
3	18.738	19.57	83.6	43.26	83.8	.0497	.8292	19.22.7	L	7 12 „
4	19.218	19.58	83.0	43.47	83.5	.0497	.8315	19.23.7	L	8 12 „
5	19.561	19.41	82.8	43.65	80.2	.0470	.8335	19.24.9	D	9 12 „
6	19.424	19.12	83.6	43.59	80.1	.0432	.8328	19.25.1	D	10 12 „
7	19.904	19.15	82.3	43.74	82.9	.0434	.8345	19.25.8	D	11 12 „
8	19.699	19.25	82.0	43.88	82.7	.0436	.8360	19.26.2	D	Midnight.
9	19.424	19.03	81.6	43.85	82.2	.0409	.8357	19.26.6	N	1 12 a. m.
10	19.356	19.30	81.5	43.88	81.9	.0453	.8360	19.26.0	N	2 12 „
11	19.493	18.99	81.0	44.13	81.5	.0401	.8384	19.27.8	N	3 12 „
12	18.670	18.78	80.6	44.12	81.2	.0366	.8387	19.28.2	N	4 12 „
13	18.327	18.87	80.1	44.03	80.9	.0383	.8377	19.27.7	D	5 12 „
14	17.984	19.23	79.9	44.03	81.0	.0432	.8377	19.27.0	D	6 12 „
15	18.670	19.16	80.3	44.33	80.9	.0432	.8410	19.28.3	D	7 12 „
16	19.699	19.41	80.8	44.43	81.0	.0470	.8421	19.28.2	D	8 12 „
17	20.042	19.92	82.0	44.27	81.3	.0555	.8403	19.26.3	L	9 12 „
18	19.767	20.10	82.9	43.99	82.3	.0584	.8372	19.24.8	L	10 12 „
19	19.013	20.41	84.3	43.72	83.3	.0634	.8343	19.23.1	L	11 12 „
20	18.258	20.22	85.3	43.43	83.8	.0604	.8311	19.22.2	L	Noon.
21	17.846	19.93	85.4	43.25	84.2	.0555	.8291	19.21.9	N	1 12 p. m.
22	18.395	19.60	86.0	43.11	85.0	.0512	.8276	19.22.0	N	2 12 „
23	19.699	19.32	86.0	43.11	85.5	.0457	.8276	19.22.6	N	3 12 „
Feb. 21st-Noon	20.179	19.33	85.8	43.06	85.4	.0457	.8270	19.22.4	N	4 12 „
1	19.973	19.27	84.8	42.95	85.0	.0438	.8258	19.22.4	D	5 12 „
2	19.699	19.25	84.0	43.14	84.6	.0434	.8279	19.23.1	D	6 12 „
3	19.013	19.15	83.0	43.42	83.9	.0436	.8310	19.24.3	D	7 12 „
4	18.875	18.97	82.6	43.55	83.2	.0399	.8324	19.25.3	D	8 12 „
5	19.081	19.08	82.5	43.72	83.2	.0415	.8343	19.25.8	L	9 12 „
6	19.081	19.14	82.7	43.79	83.0	.0416	.8350	19.26.1	L	10 12 „
7	19.150	19.18	82.7	43.90	82.8	.0440	.8363	19.26.3	L	11 12 „
8	19.218	19.16	82.7	43.98	82.7	.0430	.8371	19.26.7	L	Midnight.
9	19.081	19.21	82.3	44.00	82.5	.0427	.8374	19.26.8	N	1 12 a. m
10	19.424	19.15	82.0	44.07	82.3	.0428	.8371	19.26.7	N	2 12 „
11	19.493	19.00	81.0	43.98	82.0	.0403	.8371	19.27.1	N	3 12 „
12	19.013	19.00	80.6	44.05	81.6	.0403	.8379	19.27.4	N	4 12 „
13	19.013	19.00	80.0	44.14	81.3	.0403	.8389	19.27.8	D	5 12 „
14	18.670	19.01	79.3	44.28	81.1	.0404	.8404	19.28.4	D	6 12 „
15	19.013	19.11	78.8	44.42	80.8	.0421	.8420	19.28.8	D	7 12 „
16	19.356	19.49	79.7	44.72	80.6	.0483	.8453	19.29.4	D	8 12 „
17	20.316	19.71	80.7	44.55	80.9	.0519	.8434	19.28.0	L	9 12 „
18	19.836	20.12	82.8	44.15	82.4	.0588	.8390	19.25.4	L	10 12 „
19	19.356	20.36	84.3	43.64	83.3	.0618	.8334	19.22.8	L	11 12 „
20	18.395	20.43	85.4	43.50	83.9	.0637	.8319	19.22.0	L	Noon.
21	18.464	20.36	85.9	43.38	84.4	.0626	.8307	19.21.7	N	1 12 p. m.
22	18.670	20.12	85.8	43.25	85.0	.0596	.8291	19.21.4	N	2 12 „
23	18.738	19.80	85.5	43.10	85.3	.0584	.8275	19.21.7	N	3 12 „

On the 19th, at about 18h., Dip as obtained by Observation was 18°58′8.

DAILY OBSERVATIONS FROM 22ND TO 25TH FEBRUARY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 22nd-Noon	19.218	19.54	85·1	43.07	85·6	8.0491	2.8271	19°22′0	N	4 12 p. m.
1	19·013	19.55	84.5	42.91	85.4	.0493	.8254	19.21.4	D	5 12 ,,
2	19.013	19.35	83.8	43.09	84.5	.0461	.8273	19.22.5	D	6 12 ,,
3	18.807	19.57	83.1	43.23	84.2	.0497	.8289	19.22.6	D	7 12 ,,
4	18.738	19.21	82.8	43.40	83.7	.0427	.8316	19.24.6	D	8 12 ,,
5	18.875	19.51	82.8	43.50	83.3	.0486	.8319	19.23.9	L	9 12 ,,
6	18.807	19.44	81.6	43.61	83.0	.0475	.8331	19.24.6	L	10 12 ,,
7	19.013	19.39	81.9	43.80	82.6	.0467	.8352	19.25.5	L	11 12 ,,
8	19.081	19.28	81.5	43.94	82.8	.0438	.8367	19.25.5	L	Midnight.
9	19.150	19.29	81.2	44.00	82.0	.0440	.8374	19.26.7	N	1 12 a. m.
10	18.670	19.24	81.0	44.05	81.6	.0432	.8379	19.27.0	N	2 12 ,,
11	19.150	19.24	80.7	44.14	81.3	.0432	.8389	19.27.4	N	3 12 ,,
12	19.013	19.21	80.0	44.27	81.0	.0427	.8403	19.28.0	N	4 12 ,,
13	19.356	19.24	79.2	44.52	80.8	.0432	.8431	19.29.1	D	5 12 ,,
14	19.013	19.28	78.9	44.60	80.1	.0438	.8440	19.29.4	D	6 12 ,,
15	19.356	19.31	79.2	44.78	80.0	.0454	.8459	19.29.9	D	7 12 ,,
16	20.042	19.78	79.4	44.85	80.1	.0530	.8467	19.29.2	D	8 12 ,,
17	19.973	20.14	80.1	44.81	80.3	.0590	.8463	19.28.2	L	9 12 ,,
18	19.973	20.38	81.5	44.39	81.1	.0628	.8416	19.25.9	L	10 12 ,,
19	19.561	20.60	83.0	43.99	82.2	.0665	.8372	19.23.6	L	11 12 ,,
20	18.189	20.58	83.4	43.70	82.7	.0661	.8341	19.22.6	L	Noon.
21	18.327	20.38	83.8	43.87	83.0	.0628	.8369	19.20.7	N	1 12 p. m.
22	18.464	20.19	83.7	43.75	83.3	.0598	.8346	19.23.6	N	2 12 ,,
23	18.067	20.05	83.4	43.75	83.5	.0575	.8346	19.23.9	N	3 12 ,,
Feb. 23rd-Noon	18.807	19.83	83.1	43.71	83.5	.0538	.8342	19.24.2	D	4 12 ,,
1	18.807	19.61	82.7	43.55	83.2	.0503	.8324	19.24.0	D	5 12 ,,
2	18.738	19.29	81.7	43.73	82.7	.0440	.8344	19.25.6	D	6 12 ,,
3	18.670	19.07	81.1	43.96	82.0	.0415	.8369	19.26.7	D	7 12 ,,
4	18.327	19.21	81.0	44.15	81.7	.0427	.8391	19.27.5	D	8 12 ,,
5	18.601	19.09	80.5	44.30	81.3	.0417	.8407	19.28.3	L	9 12 ,,
6	18.532	19.25	80.2	44.49	81.0	.0434	.8427	19.29.0	L	10 12 ,,
7	18.875	19.27	80.0	44.64	80.8	.0438	.8444	19.29.5	L	11 12 ,,
8	19.218	18.98	79.8	44.63	80.2	.0399	.8443	19.30.0	L	Midnight.
9	19.013	19.03	79.4	44.69	80.0	.0407	.8449	19.30.1	N	1 12 a. m.
10	19.081	19.06	79.0	44.81	79.8	.0413	.8463	19.30.6	N	2 12 ,,
11	19.013	19.07	79.0	45.03	79.2	.0415	.8487	19.31.4	N	3 12 ,,
12	18.875	19.28	78.8	45.07	79.1	.0438	.8491	19.31.3	N	4 12 ,,
13	19.013	19.17	78.1	44.96	78.8	.0432	.8479	19.30.9	D	5 12 ,,
14	19.013	19.21	77.8	45.25	78.2	.0427	.8511	19.32.2	D	6 12 ,,
15	19.356	19.19	77.7	45.44	78.1	.0434	.8532	19.33.0	D	7 12 ,,
16	19.424	19.45	78.0	45.65	78.4	.0477	.8555	19.33.4	D	8 12 ,,
17	20.385	19.80	79.0	45.57	78.9	.0534	.8546	19.32.3	L	9 12 ,,
18	20.522	20.02	80.2	45.29	79.5	.0571	.8515	19.30.6	L	10 12 ,,
19	19.904	20.18	81.3	44.94	80.0	.0596	.8477	19.28.7	L	11 12 ,,
20	18.875	19.94	82.1	44.73	81.0	.0557	.8454	19.28.3	L	Noon.
21	18.601	20.16	82.8	44.56	82.0	.0594	.8435	19.27.2	N	1 12 p. m.
22	18.532	20.06	83.3	44.47	82.4	.0577	.8425	19.27.0	N	2 12 ,,
23	18.532	19.94	83.3	44.29	83.0	.0557	.8405	19.26.4	N	3 12 ,,
Feb. 25th-Noon	18.258	19.59	81.9	43.54	83.1	.0499	.8323	19.24.0	D	4 12 ,,
1	18.601	19.39	80.7	43.32	82.4	.0467	.8299	19.23.4	D	5 12 ,,
2	18.327	19.24	79.7	43.74	81.3	.0432	.8345	19.25.8	D	6 12 ,,
3	18.670	19.12	79.1	44.11	80.4	.0424	.8386	19.27.4	D	7 12 ,,
4	18.670	19.13	78.9	44.24	79.7	.0424	.8400	19.28.0	D	8 12 ,,
5	18.670	19.07	78.6	44.39	79.6	.0415	.8416	19.28.6	L	9 12 ,,
6	18.875	19.01	78.5	44.48	79.3	.0404	.8426	19.29.3	L	10 12 ,,
7	19.081	19.10	78.5	44.62	79.1	.0420	.8442	19.29.6	L	11 12 ,,
8	19.424	19.09	78.3	44.75	78.9	.0417	.8456	19.30.2	L	Midnight.
9	19.013	19.29	78.0	44.71	78.8	.0440	.8452	19.29.8	N	1 12 a. m.
10	19.630	19.12	77.8	44.89	78.2	.0424	.8471	19.30.7	N	2 12 ,,
11	19.356	19.04	77.2	44.84	78.0	.0409	.8466	19.30.7	N	3 12 ,,

On the 22nd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH FEBRUARY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
FEB. 25TH—12	19°081	19.25	77°0	44.93	77°8	8.0434	2.8476	19°30'8	N	4 12 a. m.
13	19.013	19.00	77.0	44.91	77.0	.0403	.8474	19.31.1	D	5 12 „
14	18.670	19.16	76.8	45.00	76.8	.0430	.8484	19.31.1	D	6 12 „
15	18.327	19.14	76.2	45.20	76.5	.0426	.8506	19.32.0	D	7 12 „
16	19.356	19.22	76.1	45.25	76.7	.0430	.8511	19.32.2	D	8 12 „
17	19.150	19.66	77.2	45.24	77.4	.0512	.8510	19.31.2	L	9 12 „
18	18.807	19.78	78.8	44.83	78.6	.0530	.8465	19.29.1	L	10 12 „
19	18.601	19.88	79.9	44.48	79.2	.0546	.8426	19.29.3	L	11 12 „
20	17.572	19.98	80.9	44.18	79.9	.0563	.8393	19.25.9	L	Noon.
21	17.572	19.84	81.1	44.21	80.2	.0540	.8397	19.26.4	N	1 12 p. m.
22	18.258	19.78	81.3	44.13	81.0	.0530	.8388	19.26.1	N	2 12 „
23	18.875	19.66	81.3	44.11	81.0	.0514	.8385	19.26.3	N	3 12 „
FEB. 26TH-Noon	19.150	19.51	81.0	44.04	81.2	.0486	.8378	19.26.2	N	4 12 „
1	19.013	19.45	80.7	43.87	80.7	.0477	.8359	19.25.7	D	5 12 „
2	18.670	19.31	79.8	43.91	80.4	.0454	.8364	19.26.1	D	6 12 „
3	19.013	19.19	79.2	44.15	80.1	.0434	.8390	19.27.5	D	7 12 „
4	18.807	19.17	79.1	44.20	79.9	.0432	.8396	19.27.7	D	8 12 „
5	18.738	19.16	78.9	44.27	79.6	.0430	.8403	19.28.0	L	9 12 „
6	18.807	19.17	78.6	44.33	79.2	.0432	.8410	19.28.3	L	10 12 „
7	18.807	19.26	78.3	44.37	79.0	.0436	.8414	19.28.3	L	11 12 „
8	18.807	19.20	78.3	44.47	78.9	.0426	.8425	19.28.9	L	Midnight.
9	18.807	19.25	78.5	44.55	78.9	.0434	.8434	19.29.2	N	1 12 a. m.
10	18.670	19.31	78.4	44.56	78.8	.0454	.8435	19.29.0	N	2 12 „
11	18.807	19.28	78.4	44.62	78.8	.0438	.8442	19.29.4	N	3 12 „
12	18.807	19.29	78.2	44.66	78.7	.0440	.8446	19.29.6	N	4 12 „
13	19.081	19.11	77.3	44.55	78.2	.0421	.8434	19.29.7	D	5 12 „
14	18.327	19.32	77.1	44.64	78.0	.0457	.8444	19.29.2	D	6 12 „
15	19.287	19.38	77.4	45.15	78.4	.0465	.8500	19.31.3	D	7 12 „
16	19.356	19.35	77.0	45.26	78.7	.0461	.8512	19.31.8	D	8 12 „
17	19.767	19.75	78.0	44.97	78.2	.0526	.8480	19.29.7	L	9 12 „
18	19.561	19.96	78.8	44.52	79.0	.0571	.8431	19.27.3	L	10 12 „
19	18.944	20.05	79.6	44.09	79.6	.0575	.8383	19.25.3	L	11 12 „
20	17.641	20.10	80.8	43.81	80.2	.0580	.8353	19.24.2	L	Noon.
21	18.121	19.90	81.0	43.82	80.7	.0551	.8354	19.24.5	N	1 12 p. m.
22	18.738	19.79	81.7	43.83	81.0	.0532	.8355	19.24.9	N	2 12 „
23	18.807	19.52	81.7	43.74	81.2	.0519	.8345	19.24.6	N	3 12 „
FEB. 27TH-Noon	18.670	19.41	81.3	43.64	81.4	.0470	.8334	19.24.8	N	4 12 „
1	19.013	19.01	80.8	43.65	81.6	.0404	.8335	19.25.8	D	5 12 „
2	19.767	18.51	80.3	43.73	81.0	.0322	.8344	19.27.1	D	6 12 „
3	19.973	18.20	80.0	43.82	80.7	.0272	.8354	19.28.2	D	7 12 „
4	20.042	18.27	79.6	44.01	80.2	.0284	.8375	19.28.9	D	8 12 „
5	19.904	18.15	79.4	44.08	80.0	.0264	.8382	19.29.3	L	9 12 „
6	19.287	18.58	79.4	44.09	79.8	.0333	.8383	19.28.5	L	10 12 „
7	18.875	18.90	78.9	44.20	79.4	.0387	.8396	19.28.2	L	11 12 „
8	18.738	18.97	78.7	44.39	79.0	.0399	.8416	19.28.9	L	Midnight.
9	19.013	18.93	78.5	44.47	79.0	.0391	.8425	19.29.4	N	1 12 a. m.
10	19.081	18.96	78.1	44.56	78.8	.0397	.8435	19.29.7	N	2 12 „
11	19.013	19.09	78.0	44.56	78.5	.0417	.8435	19.29.4	N	3 12 „
12	19.081	19.01	77.3	44.64	78.0	.0404	.8444	19.30.0	N	4 12 „
13	19.013	19.17	77.1	44.94	77.9	.0432	.8477	19.30.9	D	5 12 „
14	19.356	19.23	76.9	44.98	77.7	.0430	.8481	19.31.0	D	6 12 „
15	19.287	19.01	76.3	44.88	77.8	.0404	.8470	19.31.0	D	7 12 „
16	19.013	19.18	76.9	45.04	77.9	.0432	.8488	19.31.3	D	8 12 „
17	19.218	19.70	78.3	44.82	78.0	.0518	.8464	19.29.1	L	9 12 „
18	18.670	20.00	80.0	44.57	79.0	.0567	.8436	19.27.5	L	10 12 „
19	18.395	20.07	81.0	44.22	79.8	.0579	.8398	19.25.9	L	11 12 „
20	17.915	20.12	81.6	44.02	80.5	.0588	.8376	19.24.8	L	Noon.
21	18.258	19.99	82.0	44.01	81.0	.0565	.8375	19.25.1	N	1 12 p. m.
22	18.807	19.71	81.5	43.89	81.8	.0569	.8361	19.25.1	N	2 12 „
23	18.944	19.87	82.8	43.58	82.5	.0546	.8327	19.23.5	N	3 12 „

DAILY OBSERVATIONS FROM 28TH FEBRUARY TO 2ND MARCH 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Feb. 28th-Noon	18°807	19.72	82°6	43.49	83°0	8.0522	2.8317	19°23′5	N	4 12 p. m.
1	18.944	19.65	82.0	43.38	82.7	.0510	.8305	19.23.2	D	5 12 ,,
2	18.944	19.47	81.4	43.42	82.0	.0481	.8310	19.23.7	D	6 12 ,,
3	19.081	19.28	80.8	43.59	81.4	.0438	.8328	19.25.0	D	7 12 ,,
4	18.875	19.22	80.4	43.75	81.0	.0428	.8346	19.25.8	D	8 12 ,,
5	18.875	19.21	80.1	43.90	80.7	.0427	.8363	19.26.4	L	9 12 ,,
6	18.807	19.29	79.7	44.01	80.4	.0440	.8375	19.26.8	L	10 12 ,,
7	18.738	19.25	79.4	44.12	79.9	.0434	.8387	19.27.4	L	11 12 ,,
8	18.670	19.21	78.8	44.21	79.4	.0427	.8397	19.27.8	L	Midnight.
9	19.081	19.08	78.2	44.38	79.2	.0415	.8415	19.28.6	N	1 12 a. m.
10	18.532	19.17	78.0	44.47	78.9	.0432	.8425	19.28.9	N	2 12 ,,
11	18.395	19.13	77.7	44.61	78.5	.0424	.8441	19.29.6	N	3 12 ,,
12	18.532	19.13	77.0	44.79	78.0	.0424	.8460	19.30.3	N	4 12 ,,
13	18.670	19.15	76.5	44.93	77.8	.0428	.8476	19.30.8	D	5 12 ,,
14	18.601	19.14	76.2	45.01	76.9	.0426	.8485	19.31.2	D	6 12 ,,
15	19.424	19.21	75.8	45.51	77.1	.0427	.8540	19.33.4	D	7 12 ,,
16	20.385	19.29	76.2	45.63	77.7	.0440	.8553	19.33.8	D	8 12 ,,
17	21.208	19.78	77.5	45.33	77.6	.0530	.8520	19.31.3	L	9 12 ,,
18	21.071	20.06	79.2	44.83	78.4	.0577	.8465	19.28.5	L	10 12 ,,
19	19.836	20.21	80.4	44 18	79.3	.0601	.8393	19.25.4	L	11 12 ,,
20	18.464	20.29	81.2	43.91	80.2	.0614	.8364	19.24.1	L	Noon.
21	18.464	20.16	81.7	43.93	81.0	.0594	.8366	19.24.4	N	1 12 p. m.
22	18.532	19.96	82.2	43.81	82.0	.0571	.8353	19.24.3	N	2 12 ,,
23	19.081	19.92	82.5	43.83	82.5	.0555	.8327	19.23.4	N	3 12 ,,
Feb. 29th-Noon	19.287	19.74	82.5	43.49	83.0	.0524	.8317	19.23.5	N	4 12 ,,
1	19.356	19.65	82.0	43.39	83.1	.0510	.8306	19.23.2	D	5 12 ,,
2	19.013	19.59	81.2	43.48	82.6	.0499	.8316	19.23.8	D	6 12 ,,
3	19.356	19.54	80.7	43.54	81.4	.0491	.8323	19.24.1	D	7 12 ,,
4	19.013	19.29	80.4	43.74	81.2	.0440	.8345	19.25.7	D	8 12 ,,
5	18.807	19.29	80.3	43.85	81.0	.0440	.8357	19.26.2	L	9 12 ,,
6	18.738	19.26	80.1	43.98	80.7	.0436	.8371	19.26.6	L	10 12 ,,
7	18.670	19.29	79.7	44.09	80.4	.0440	.8383	19.27.1	L	11 12 ,,
8	19.013	19.26	79.0	44.20	80.0	.0436	.8396	19.27.6	L	Midnight.
9	19.081	19.29	78.7	44,35	79.5	.0440	.8412	19.28.2	N	1 12 a. m.
10	18.738	19.34	79.2	44.59	79.5	.0459	.8438	19.29.0	N	2 12 ,,
11	18.670	19.32	79.2	44.49	79.5	.0457	.8427	19.28.6	N	3 12 ,,
12	18.532	19.37	79.0	44.58	79.2	.0465	.8437	19.28.9	N	4 12 ,,
13	19.013	19.29	78.2	44.57	78.9	.0440	.8436	19.29.2	D	5 12 ,,
14	18.395	19.45	78.0	44.76	78.9	.0477	.8457	19.29.6	D	6 12 ,,
15	18.670	19.41	77.3	44.96	78.6	.0470	.8479	19.30.4	D	7 12 ,,
16	19.767	19.77	78.1	45.11	78.8	.0530	.8496	19.30.3	D	8 12 ,,
17	20.590	20.13	79.6	44.85	79.4	.0588	.8467	19.28.4	L	9 12 ,,
18	20.522	20.38	81.0	44.41	80.3	.0626	.8419	19.26.0	L	10 12 ,,
19	19.356	20.52	82.4	43.82	81.3	.0653	.8354	19.23.2	L	11 12 ,,
20	17.846	20.44	83.1	43.41	82.1	.0639	.8309	19.21.6	L	Noon.
21	17.435	20.41	83.5	43.33	82.8	.0634	.8300	19.21.4	N	1 12 p. m.
22	17.778	20.25	84.0	43.25	83.4	.0608	.8291	19.21.3	N	2 12 ,,
23	18.052	20.10	84.0	43.12	84.0	.0584	.8277	19.21.2	N	3 12 ,,
Mar. 2nd-Noon	18.601	19.85	84.0	42.95	84.9	.0542	.8258	19.21.0	D	4 12 ,,
1	18.327	19.71	83.8	42.84	84.8	.0519	.8246	19.20.7	D	5 12 ,,
2	18.670	19.55	83.0	42.93	84.3	.0493	.8256	19.21.5	D	6 12 ,,
3	18.601	19.47	82.3	43.05	83.4	.0481	.8269	19.22.1	D	7 12 ,,
4	18.464	19.41	82.0	43.09	82.9	.0470	.8273	19.22.4	D	8 12 ,,
5	18.670	19.43	81.8	43.23	82.7	.0473	.8289	19.22.9	L	9 12 ,,
6	18.670	19.41	81.4	43.30	82.4	.0470	.8297	19.23.4	L	10 12 ,,
7	18.464	19.61	81.3	43.38	82.0	.0503	.8301	19.23.1	L	11 12 ,,
8	18.532	19.54	81.0	43.47	81.8	.0491	.8315	19.23.8	L	Midnight.
9	18.601	19.49	81.1	43.63	81.5	.0483	.8333	19.24.6	L	1 12 a. m.
10	18.601	19.65	81.0	43.84	81.4	.0512	.8356	19.25.2	D	2 12 ,,
11	18.327	19.61	80.8	43.98	80.9	.0503	.8371	19.25.8	D	3 12 ,,

On the 28th, at about 18h., Dip as obtained by Observation was 18°43′1.
On the 29th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 2ND TO 4TH MARCH 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAR. 2ND—12	18'601	19.53	80°4	44.01	80°4	8.0489	2.8375	19°26'1	D	4 12 a. m.
13	18.670	19.58	80.4	44.11	80.4	.0497	.8386	19.26.4	D	5 12 „
14	18.670	19.62	80.1	44.02	80.6	.0506	.8376	19.25.9	D	6 12 „
15	18.670	19.41	79.3	44.07	80.7	.0470	.8381	19.26.6	D	7 12 „
16	19.699	19.46	79.8	44.13	81.0	.0479	.8388	19.26.7	D	8 12 „
17	19.561	19.81	84.0	43.93	81.0	.0535	.8366	19.25.1	N	9 12 „
18	19.013	20.10	82.4	43.66	81.9	.0584	.8336	19.23.5	N	10 12 „
19	18.670	20.21	83.7	43.55	82.9	.0601	.8324	19.22.7	N	11 12 „
20	18.601	20.06	84 5	43.25	83.2	.0577	.8291	19.21.7	N	Noon.
21	18.258	19.99	85.4	43.10	84.1	.0569	.8275	19.21.2	L	1 12 p. m.
22	18.875	19.86	85.8	42.96	84.8	.0544	.8259	19.21.0	L	2 12 „
23	19.256	19.64	85.8	42.78	85.3	.0508	.8239	19.20.6	L	3 12 „
MAR. 3RD—Noon	19.013	19.62	85.6	42.44	85.4	.0506	.8202	19.19.1	L	4 12 „
1	19.081	19.43	84.9	42.45	85.0	.0473	.8203	19.19.7	D	5 12 „
2	18.327	19.16	84.0	42.54	84.7	.0430	.8213	19.20.8	D	6 12 „
3	19.013	18.89	83.2	42.72	84.1	.0385	.8233	19.21.9	D	7 12 „
4	18.738	18.96	82.8	42.96	83.7	.0397	.8259	19.22.8	D	8 12 „
5	18.738	19.06	82.1	43.09	83.0	.0413	.8273	19.23.2	N	9 12 „
6	18.738	19.26	81.9	43.09	82.9	.0420	.8273	19.23.0	N	10 12 „
7	19.013	19.27	81.6	43.28	82.5	.0438	.8294	19.23.6	N	11 12 „
8	18.875	19.25	81.0	43.36	82.0	.0434	.8303	19.24.1	N	Midnight.
9	18.944	19.24	81.0	43.54	72.0	.0432	.8313	19.24.5	N	1 12 a. m.
10	19.287	19.27	80.6	43.63	81.8	.0432	.8333	19.25.3	N	2 12 „
11	18.670	19.31	80.8	43.70	81.5	.0454	.8341	19.25.3	D	3 12 „
12	18.670	19.32	80.6	43.74	81.3	.0457	.8345	19.25.4	D	4 12 „
13	18.601	19.23	80.2	43.78	81.1	.0430	.8349	19.25.9	D	5 12 „
14	18.601	19.35	80.0	43.87	80.7	.0461	.8359	19.25.9	D	6 12 „
15	18.601	19.41	80.3	43.92	80.8	.0470	.8365	19.26.0	D	7 12 „
16	19.356	19.52	80.9	44.03	81.1	.0489	.8377	19.26.2	D	8 12 „
17	19.561	19.96	82.2	43.86	82.0	.0561	.8358	19.24.6	N	9 12 „
18	19.013	20.11	83.2	43.43	82.8	.0535	.8316	19.22.5	N	10 12 „
19	18.121	20.21	84.8	43.23	83.7	.0601	.8289	19.21.3	N	11 12 „
20	17.709	20.23	85.9	42.99	84.7	.0604	.8262	19.20.2	N	Noon.
21	18.149	19.92	86.0	42.80	85.0	.0555	.8242	19.20.0	L	1 12 p. m.
22	18.395	19.85	85.9	42.66	85.3	.0542	.8226	19.19.7	L	2 12 „
23	18.601	19.69	85.8	42.55	85.5	.0516	.8214	19.19.4	L	3 12 „
MAR. 4TH—Noon	18.875	19.60	85.4	42.37	85.0	.0502	.8194	19.18.9	L	4 12 „
1	18.327	19.55	85.0	42.24	84.7	.0493	.8186	19.18.5	D	5 12 „
2	17.984	19.61	84.3	42.49	84.6	.0503	.8207	19.19.5	D	6 12 „
3	18.327	19.47	83.8	42.62	84.1	.0481	.8222	19.20.3	D	7 12 „
4	18.395	19.49	83.4	42.81	83.8	.0483	.8243	19.21.2	D	8 12 „
5	18.395	19.50	83.3	42.93	83.5	.0485	.8256	19.21.5	N	9 12 „
6	18.395	19.59	83.2	43.00	83.2	.0499	.8264	19.21.6	N	10 12 „
7	18.670	19.60	83.0	43.09	83.0	.0502	.8273	19.22.0	N	11 12 „
8	18.532	19.59	82.7	43.09	83.0	.0499	.8273	19.22.0	N	Midnight.
9	18.807	19.44	82.2	43.23	82.8	.0475	.8289	19.22 9	L	1 12 a. m.
10	19.150	19.37	82.0	43.31	82.5	.0465	.8298	19.23.4	L	2 12 „
11	19.218	19.28	81.3	43.32	82.1	.0438	.8299	19.23.8	L	3 12 „
12	19.218	19.29	81.1	43.36	81.9	.0440	.8303	19.24.0	L	4 12 „
13	18.327	19.27	81.1	43.40	81.6	.0438	.8308	19.24.2	D	5 12 „
14	18.395	19.47	81.1	43.35	81.4	.0481	.8302	19.23.4	D	6 12 „
15	19.013	19.33	80.9	43.54	81.3	.0457	.8323	19.24.5	D	7 12 „
16	19.150	19.44	81.2	43.71	81.9	.0475	.8342	19.25.0	D	8 12 „
17	19.836	19.29	82.1	43.56	82.0	.0532	.8325	19.23.7	N	9 12 „
18	19.904	20.04	83.6	43.19	83.0	.0573	.8284	19.21.5	N	10 12 „
19	18.738	20.20	84.4	42.76	83.6	.0600	.8237	19.19.4	N	11 12 „
20	17.915	20.18	85.7	42.56	84.5	.0596	.8215	19.18.5	N	Noon.
21	17.603	20.26	86.4	42.45	85.1	.0610	.8203	19.17.9	L	1 12 p. m.
22	17.778	20.09	86.2	42.34	85.4	.0581	.8191	19.17.8	L	2 12 „
23	18.532	19.78	85.6	42.27	85.6	.0530	.8183	19.18.1	L	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 18°25'0.

DAILY OBSERVATIONS FROM 5TH TO 7TH MARCH 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	18′									h. m.
MAR. 5TH—Noon	18′738	19.66	85°3	42.18	85°3	8.0512	2.8173	19°18′0	L	4 12 p. m.
1	18.395	19.61	84.8	41.98	85.2	.0503	.8153	19.17.4	L	5 12 ,,
2	17.915	19.48	83.9	42.04	84.5	.0481	.8158	19.17.9	N	6 12 ,,
3	18.258	19.37	83.4	42.38	84.2	.0465	.8195	19.19.4	N	7 12 ,,
4	18.258	19.33	82.8	42.46	83.8	.0457	.8204	19.19.8	N	8 12 ,,
5	18.329	19.39	82.7	42.60	83.3	.0467	.8220	19.20.4	D	9 12 ,,
6	18.327	19.37	82.3	42.69	83.0	.0465	.8229	19.20.7	D	10 12 ,,
7	18.601	19.40	82.0	42.78	82.8	.0469	.8239	19.21.1	D	11 12 ,,
8	18.532	19.21	81.8	42.88	82.6	.0427	.8250	19.22.1	D	Midnight.
9	18.327	19.19	81.2	43.03	82.2	.0434	.8267	19.22.7	N	1 12 a. m.
10	18.464	19.19	81.0	43.06	82.0	.0434	.8270	19.22.8	N	2 12 ,,
11	18.327	19.23	80.7	43.06	82.0	.0430	.8270	19.22.8	N	3 12 ,,
12	18.052	19.15	80.0	43.10	81.5	.0428	.8275	19.23.0	N	4 12 ,,
13	18.327	19.13	79.9	43.14	81.3	.0424	.8279	19.23.2	D	5 12 ,,
14	18.052	19.27	80.3	43.04	81.2	.0438	.8268	19.22.6	D	6 12 ,,
15	18.327	19.25	80.0	43.33	81.0	.0434	.8300	19.24.0	D	7 12 ,,
16	19.356	19.55	80.0	43.44	81.2	.0493	.8312	19.23.6	D	8 12 ,,
17	19.150	19.85	81.0	43.29	81.2	.0542	.8295	19.22.3	N	9 12 ,,
18	18.738	20.18	82.3	42.96	82.1	.0596	.8259	19.20.2	N	10 12 ,,
19	18.187	20.31	83.7	42.79	83.0	.0617	.8240	19.19.2	N	11 12 ,,
20	17.709	20.23	84.5	42.52	83.3	.0604	.8211	19.18.3	N	Noon.
21	18.121	20.08	85.2	42.60	84.0	.0579	.8220	19.19.0	L	1 12 p. m.
22	18.807	19.86	85.6	42.49	84.6	.0544	.8218	19.19.4	L	2 12 ,,
23	19.218	19.60	85.7	42.20	85.0	.0506	.8276	19.18.1	L	3 12 ,,
MAR. 6TH—Noon	19.356	19.26	85.4	41.96	85.3	.0436	.8149	19.18.0	L	4 12 ,,
1	18.327	19.20	85.0	41.90	85.0	.0426	.8143	19.17.9	D	5 12 ,,
2	18.327	19.19	84.7	41.64	84.7	.0434	.8114	19.16.7	D	6 12 ,,
3	18.327	18.95	84.0	41.89	74.5	.0395	.8141	19.18.2	D	7 12 ,,
4	18.670	18.89	83.7	42.07	84.0	.0385	.8161	19.19.0	D	8 12 ,,
5	18.875	18.90	83.5	42.62	84.1	.0387	.8167	19.19.3	N	9 12 ,,
6	19.013	18.90	83.0	42.22	84.0	.0387	.8178	19.19.7	N	10 12 ,,
7	19.081	19.08	82.8	42.25	83.7	.0415	.8181	19.19.4	N	11 12 ,,
8	19.218	19.05	83.0	42.30	83.2	.0411	.8187	19.19.9	N	Midnight.
9	19.081	19.11	82.8	42.49	83.0	.0421	.8207	19.20.5	N	1 12 a. m.
10	19.081	19.14	82.2	42.58	82.8	.0426	.8207	19.20.8	N	2 12 ,,
11	18.601	19.20	82.0	42.58	82.6	.0426	.8217	19.20.8	D	3 12 ,,
12	18.670	19.09	81.7	42.77	82.3	.0417	.8227	19.21.3	D	4 12 ,,
13	19.013	19.12	81.1	42.76	82.0	.0424	.8226	19.21.3	D	5 12 ,,
14	19.013	19.33	80.4	42.85	81.8	.0457	.8246	19.21.6	D	6 12 ,,
15	19.356	19.22	80.6	43.00	81.7	.0430	.8261	19.22.5	D	7 12 ,,
16	19.424	19.52	81.1	43.20	81.8	.0489	.8286	19.22.6	D	8 12 ,,
17	19.081	19.88	82.5	43.00	82.0	.0546	.8264	19.20.9	N	9 12 ,,
18	18.670	20.18	83.9	42.59	83.0	.0596	.8218	19.18.6	N	10 12 ,,
19	18.121	20.18	84.7	42.27	84.0	.0596	.8183	19.17.2	N	11 12 ,,
20	17.641	20.20	86.0	42.00	84.8	.0600	.8154	19.16.1	N	Noon.
21	18.052	19.99	86.1	42.01	85.2	.0565	.8155	19.16.6	S	1 12 p. m.
22	18.670	19.86	86.4	41.88	85.9	.0544	.8140	19.16.4	S	2 12 ,,
23	19.081	19.72	86.7	41.63	86.5	.0520	.8113	19.15.5	S	3 12 ,,
MAR. 7TH—Noon	18.875	19.71	86.8	41.36	86.8	.0519	.8083	19.14.3	S	4 12 ,,
1	18.670	19.43	85.9	41.20	86.5	.0473	.8066	19.14.3	D	5 12 ,,
2	18.327	19.57	85.1	41.28	86.0	.0497	.8074	19.14.2	D	6 12 ,,
3	18.327	19.77	84.8	41.51	85.3	.0530	.8100	19.14.9	D	7 12 ,,
4	18.327	19.50	84.5	41.64	84.8	.0477	.8114	19.16.1	D	8 12 ,,
5	18.395	19.35	84.0	41.93	84.2	.0461	.8146	19.17.6	N	9 12 ,,
6	18.738	19.34	83.8	42.11	83.5	.0459	.8166	19.18.3	N	10 12 ,,
7	18.601	19.48	83.8	42.30	83.2	.0481	.8187	19.19.0	N	11 21 ,,
8	18.738	19.41	83.6	42.49	83.0	.0470	.8207	19.19.9	N	Midnight.
9	19.150	19.22	83.2	42.63	82.8	.0430	.8221	19.21.0	N	1 12 p. m.
10	19.013	19.20	83.1	42.72	82.2	.0426	.8233	19.21.4	N	2 12 ,,
11	19.013	19.29	82.7	42.81	82.0	.0440	.8243	19.21.7	D	3 12 ,,

On the 6th, at about 19h., Dip as obtained by Observation was 18°45′6.
On the 7th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 7TH TO 10TH MARCH 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAR. 7TH—12	19'356	19.26	82°3	42.85	81°8	8.0436	2.8247	19°21'9	D	4 12 a. m.
13	19.013	19.20	82.0	43.00	81.6	.0426	.8264	19.22.5	D	5 12 „
14	18.327	19.26	81.3	43.04	81.2	.0436	.8268	19.22.6	D	6 12 „
15	18.327	19.51	80.8	43.12	80.7	.0486	.8277	19.22.3	D	7 12 „
16	19.013	19.70	81.0	43.14	81.4	.0518	.8279	19.21.9	D	8 12 „
17	19.287	20.09	82°3	42.96	81.9	.0581	.8259	19.20.5	N	9 12 „
18	18.738	20.70	83.7	42.48	82.7	.0682	.8206	19.17.1	N	10 12 „
19	18.807	20.73	85.0	42.31	83.5	.0686	.8188	19.16.2	N	11 12 „
20	18.738	20.42	85.9	41.89	84.8	.0637	.8152	19.15.5	N	Noon.
21	18.601	19.94	86.2	41.71	85.4	.0557	.8122	19.15.3	S	1 12 p. m.
22	19.630	19.46	86.9	41.68	86.0	.0479	.8118	19.16.2	S	2 12 „
23	20.590	19.39	86.9	41.40	86.5	.0467	.8088	19.15.2	S	3 12 „
MAR. 9TH-Noon	19.699	19.23	86.9	40.53	87.8	.0430	.7992	19.11.9	D	4 12 „
1	19.630	19.05	86.2	40.58	87.5	.0411	.7997	19.12.5	D	5 12 „
2	19.013	18.97	85.3	40.46	87.1	.0399	.7984	19.12.0	D	6 12 „
3	18.327	19.19	84.7	40.78	85.9	.0434	.8019	19.13.0	D	7 12 „
4	18.327	19.15	84.2	41.01	85.2	.0428	.8045	19.14.1	D	8 12 „
5	18.464	19.17	83.7	41.28	84.3	.0432	.8074	19.15.1	L	9 12 „
6	18.738	19.14	83.2	41.50	83.8	.0426	.8099	19.16.1	L	10 12 „
7	18.807	19.12	83.0	42.62	83.4	.0422	.8112	19.16.7	L	11 12 „
8	19.013	19.02	82.7	41.79	83.1	.0417	.8130	19.17.5	L	Midnight.
9	18.807	18.96	82.4	41.84	83.0	.0397	.8136	19.18.0	L	1 12 a. m.
10	18.258	19.15	82.0	41.92	82.6	.0428	.8145	19.18.0	L	2 12 „
11	18.327	19.16	81.6	41.97	82.2	.0428	.8150	19.18.2	L	3 12 „
12	18.601	19.19	81.1	42.06	82.0	.0434	.8160	19.18.5	L	4 12 „
13	19.013	19.13	80.9	42.14	81.3	.0434	.8169	19.18.8	D	5 12 „
14	19.356	19.24	80.7	42.22	80.8	.0432	.8178	19.19.2	D	6 12 „
15	19.013	19.15	81.0	42.38	81.1	.0428	.8195	19.19.9	D	7 12 „
16	19.699	19.47	81.6	42.45	81.5	.0481	.8203	19.19.6	D	8 12 „
17	19.836	19.72	82.2	42.06	82.1	.0522	.8160	19.17.3	N	9 12 „
18	19.150	19.97	83.3	41.59	82.9	.0563	.8108	19.14.8	N	10 12 „
19	18.258	20.19	84.5	41.26	83.7	.0598	.8072	19.13.8	N	11 12 „
20	17.503	20.14	85.1	41.03	84.2	.0590	.8047	19.12.1	N	Noon.
21	17.572	20.12	86.2	41.01	85.3	.0588	.8045	19.12.0	L	1 12 p. m.
22	18.258	20.02	86.6	40.86	86.0	.0569	.8028	19.11.6	L	2 12 „
23	19.013	19.86	86.9	40.75	86.5	.0544	.8016	19.11.5	L	3 12 „
MAR. 10TH-Noon	19.081	19.65	86.6	40.60	86.6	.0510	.8000	19.11.3	L	4 12 „
1	18.670	19.55	86.3	40.37	86.3	.0493	.7974	19.10.4	L	5 12 „
2	18.258	19.48	85.3	40.46	85.9	.0481	.7984	19.11.0	L	6 12 „
3	18.327	19.25	84.5	40.75	85.0	.0434	.8016	19.12.9	S	7 12 „
4	18.258	19.25	84.0	40.94	84.8	.0434	.8037	19.13.8	S	8 12 „
5	18.327	19.22	83.6	41.08	84.3	.0430	.8052	19.14.3	D	9 12 „
6	18.464	19.24	83.2	41.21	83.5	.0432	.8067	19.14.9	D	10 12 „
7	18.944	19.16	82.8	41.39	83.0	.0430	.8086	19.15.6	D	11 12 „
8	18.670	19.26	82.8	41.58	82.7	.0436	.8107	19.16.4	D	Midnight.
9	18.875	19.22	82.2	41.83	82.5	.0430	.8135	19.17.6	N	1 12 a. m.
10	18.670	19.25	82.0	41.93	82.2	.0434	.8146	19.18.0	N	2 12 „
11	18.670	19.26	81.8	41.91	82.0	.0436	.8144	19.17.8	N	3 12 „
12	18.601	19.35	81.5	41.96	82.0	.0461	.8149	19.17.7	N	4 12 „
13	18.532	19.38	81.4	42.05	81.8	.0465	.8159	19.18.0	S	5 12 „
14	19.013	19.35	81.0	42.05	81.8	.0461	.8159	19.18.1	S	6 12 „
15	19.493	19.43	81.4	42.30	81.6	.0473	.8187	19.19.1	S	7 12 „
16	19.904	19.54	81.7	42.25	81.7	.0491	.8181	19.18.5	S	8 12 „
17	19.699	19.93	82.9	41.83	82.7	.0555	.8135	19.15.9	D	9 12 „
18	18.670	20.06	83.8	41.55	83.4	.0577	.8104	19.14.4	D	10 12 „
19	17.641	20.18	84.9	41.08	84.3	.0596	.8052	19.12.1	D	11 12 „
20	16.955	20.23	85.9	40.94	84.8	.0604	.8026	19.11.1	D	Noon.
21	19.023	19.98	86.4	40.68	85.9	.0563	.8008	19.10.9	N	1 12 p. m.
22	19.092	19.95	87.0	40.45	86.7	.0559	.7983	19.09.9	N	2 12 „
23	19.984	19.84	87.2	40.31	87.1	.0540	.7968	19.09.6	N	3 12 „

DAILY OBSERVATIONS FROM 11TH TO 13TH MARCH 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
MAR. 11TH-Noon	17'846	19.62	86°8	40.23	87°5	8.0506	2.7959	19°09'7	N	4 12 p. m.
1	18.189	19.50	86.0	40.13	87.1	.0485	.7948	19.09.5	S	5 12 ,,
2	18.532	19.39	85.2	40.15	86.8	.0467	.7950	19.09.9	S	6 12 ,,
3	18.327	19.20	84.5	40.43	86.0	.0426	.7981	19.10.5	S	7 12 ,,
4	18.464	19.16	84.0	40.61	85.2	.0430	.8001	19.12.3	S	8 12 ,,
5	18.601	19.31	83.8	40.74	84.5	.0462	.8015	19.12.5	D	9 12 ,,
6	18.670	19.08	83.4	40.93	84.2	.0415	.8036	19.13.8	D	10 12 ,,
7	18.670	19.27	83.1	41.12	83.9	.0438	.8057	19.14.5	D	11 12 ,,
8	18.601	19.23	82.9	41.25	83.3	.0430	.8071	19.15.0	D	Midnight.
9	18.670	19.12	82.6	41.39	83.1	.0422	.8086	19.15.7	N	1 12 a. m.
10	18.532	19.16	82.3	41.44	83.0	.0430	.8092	19.15.8	N	2 12 ,,
11	18.601	19.12	82.0	41.58	82.7	.0422	.8107	19.16.6	N	3 12 ,,
12	18.532	19.16	81.8	41.57	82.2	.0430	.8106	19.16.4	N	4 12 ,,
13	18.670	19.28	81.9	41.67	82.2	.0438	.8117	19.16.8	S	5 12 ,,
14	18.841	19.34	81.8	41.76	82.0	.0459	.8127	19.16.9	S	6 12 ,,
15	19.493	19.30	81.5	42.01	82.0	.0453	.8155	19.18.1	S	7 12 ,,
16	19.542	19.66	82.2	42.01	82.0	.0512	.8155	19.17.4	S	8 12 ,,
17	20.179	19.91	82.8	41.83	82.8	.0552	.8135	19.16.0	D	9 12 ,,
18	19.699	20.16	83.8	41.45	83.4	.0594	.8093	19.13.8	D	10 12 ,,
19	18.670	20.17	84.8	41.22	83.9	.0596	.8068	19.12.7	D	11 12 ,,
20	17.641	20.13	85.4	40.75	85.0	.0588	.8016	19.10.8	D	Noon.
21	17.641	20.11	85.8	40.66	85.2	.0585	.8006	19.10.4	N	1 12 p. m.
22	17.572	19.95	86.0	40.58	86.0	.0575	.7997	19.10.1	N	2 12 ,,
23	18.395	19.70	86.0	40.62	86.1	.0518	.8002	19.11.1	N	3 12 ,,
MAR. 12TH-Noon	18.867	19.58	85.8	40.49	86.4	.0497	.7987	19.10.9	N	4 12 ,,
1	18.601	19.49	85.0	40.38	86.0	.0483	.7975	19.10.7	S	5 12 ,,
2	18.258	19.32	84.2	40.42	85.8	.0457	.7980	19.11.1	S	6 12 ,,
3	18.327	19.29	84.0	40.55	85.0	.0440	.7994	19.11.9	S	7 12 ,,
4	18.327	19.27	83.8	40.74	84.6	.0448	.8015	19.12.6	S	8 12 ,,
5	18.327	19.22	83.1	40.77	84.1	.0428	.8018	19.13.0	D	9 12 ,,
6	18.327	19.30	83.0	40.91	83.8	.0453	.8034	19.13.3	D	10 12 ,,
7	18.189	19.38	82.9	41.11	83.6	.0465	.8056	19.14.0	D	11 12 ,,
8	18.327	19.39	82.7	41.26	83.5	.0467	.8072	19.14.5	D	Midnight.
9	18.189	19.21	82.3	41.40	83.2	.0427	.8088	19.15.7	N	1 12 a. m.
10	18.327	19.18	81.9	41.39	82.9	.0432	.8086	19.15.6	N	2 12 ,,
11	18.258	19.31	81.8	41.58	82.8	.0454	.8107	19.16.2	N	3 12 ,,
12	17.915	19.46	81.8	41.58	82.7	.0479	.8107	19.15.9	N	4 12 ,,
13	18.327	19.43	81.9	41.58	82.5	.0473	.8107	19.16.0	S	5 12 ,,
14	18.395	19.18	81.4	41.66	82.0	.0432	.8116	19.16.8	S	6 12 ,,
15	19.150	19.36	81.3	41.71	82.1	.0463	.8122	19.16.6	S	7 12 ,,
16	18.807	19.62	82.1	41.72	82.2	.0506	.8123	19.16.1	S	8 12 ,,
17	18.944	19.93	82.9	41.58	82.8	.0555	.8107	19.14.8	D	9 12 ,,
18	18.670	20.15	83.7	41.17	83.9	.0592	.8062	19.12.5	D	10 12 ,,
19	17.846	20.23	84.4	40.94	84.5	.0604	.8037	19.11.6	D	11 12 ,,
20	17.023	20.27	85.0	40.84	84.8	.0612	.8026	19.11.0	D	Noon.
21	16.749	20.15	85.4	40.80	85.1	.0592	.8022	19.11.0	N	1 12 p. m.
22	17.092	20.05	85.9	40.75	86.0	.0575	.8016	19.11.0	N	2 12 ,,
23	17.846	19.87	86.3	40.51	87.0	.0546	.7990	19.10.3	N	3 12 ,,
MAR. 13TH-Noon	18.327	19.69	86.7	40.17	87.2	.0516	.7952	19.09.2	N	4 12 ,,
1	18.327	19.64	86.6	39.82	87.4	.0508	.7914	19.07.9	S	5 12 ,,
2	18.258	19.54	86.0	39.91	87.0	.0491	.7924	19.08.5	S	6 12 ,,
3	18.327	19.43	85.6	40.01	87.0	.0481	.7935	19.09.2	S	7 12 ,,
4	18.189	19.47	85.4	40.07	86.4	.0481	.7941	19.09.4	S	8 12 ,,
5	18.327	19.35	85.0	40.19	86.2	.0461	.7954	19.10.1	D	9 12 ,,
6	18.464	19.33	84.4	40.37	85.8	.0457	.7974	19.10.8	D	10 12 ,,
7	18.327	19.38	83.9	40.26	85.3	.0465	.7961	19.10.2	D	11 12 ,,
8	18.670	19.65	84.5	40.47	85.7	.0510	.7985	19.10.7	D	Midnight.
9	18.327	19.65	84.0	40.65	85.1	.0510	.8005	19.11.5	N	1 12 a. m.
10	18.258	19.48	83.6	40.64	84.7	.0481	.8004	19.11.8	N	2 12 ,,
11	18.532	19.40	83.2	40.73	84.2	.0469	.8014	19.12.3	N	3 12 ,,

On the 11th, at about 19h., Dip as obtained by Observation was 19°02'5.
On the 13th, at about 19h., Dip as obtained by Observation was 18°54'7.

DAILY OBSERVATIONS FROM 13TH TO 16TH MARCH 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
MAR. 13TH—12	18'327	19.40	83°0	40.82	84°0	8.0469	2.8024	19°12'7	N	4 12 a. m.
13	18.121	19.82	82.6	40.91	83.8	.0536	.8034	19.12.2	S	5 12 „
14	18.121	19.57	82.6	41.02	83.4	.0497	.8046	19.13.2	S	6 12 „
15	18.875	19.53	82.4	41.39	83.0	.0489	.8086	19.14.8	S	7 12 „
16	19.424	19.70	83.0	41.40	83.4	.0518	.8088	19.14.5	S	8 12 „
17	19.287	19.86	83.8	40.98	84.2	.0544	.8047	19.12.8	D	9 12 „
18	18.670	20.29	85.7	40.75	85.1	.0614	.8016	19.10.6	D	10 12 „
19	18.670	20.16	86.8	40.54	86.3	.0584	.7993	19.10.1	D	11 12 „
20	18.327	20.29	87.7	40.22	87.2	.0614	.7958	19.08.4	D	Noon.
21	18.532	20.22	88.3	40.01	87.6	.0604	.7935	19.07.6	N	1 12 p. m.
22	19.150	20.05	88.8	39.89	88.1	.0575	.7921	19.07.3	N	2 12 „
23	19.150	20.02	88.9	39.66	88.8	.0571	.7896	19.06.4	N	3 12 „
MAR. 14TH-Noon	19.081	19.94	88.7	39.47	89.0	.0557	.7875	19.05.7	N	4 12 „
1	18.395	19.77	87.8	39.25	88.2	.0530	.7851	19.05.2	S	5 12 „
2	18.327	19.57	87.1	39.52	87.4	.0497	.7881	19.06.7	S	6 12 „
3	18.498	19.43	86.8	39.81	87.0	.0475	.7913	19.08.3	S	7 12 „
4	18.532	19.26	86.0	39.99	86.4	.0436	.7932	19.09.5	S	8 12 „
5	18.601	19.19	85.7	40.03	86.1	.0434	.7937	19.09.9	D	9 12 „
6	18.601	19.26	85.3	40.17	85.8	.0436	.7952	19.10.3	D	10 12 „
7	18.670	19.25	85.0	40.66	85.4	.0434	.8006	19.12.5	D	11 12 „
8	18.738	19.29	84.7	40.95	85.0	.0440	.8016	19.12.8	D	Midnight.
9	18.670	19.29	84.3	40 65	84.9	.0440	.8005	19.12.4	N	1 12 a. m.
10	18.601	19.41	84.3	40.64	84.7	.0470	.8004	19.11.9	N	2 12 „
11	18.395	19.37	84.1	40.72	84.0	.0465	.8013	19.12.3	N	3 12 „
12	18.464	19.37	84.1	40.82	84.0	.0465	.8024	19.12.7	N	4 12 „
13	18.532	19.50	84.0	40.77	84.0	.0485	.8018	19.12.2	S	5 12 „
14	18.532	19.50	84.0	40.87	84.0	.0485	.8029	19.12.6	S	6 12 „
15	18.944	19.36	83.6	40.97	84.0	.0463	.8043	19.13.6	S	7 12 „
16	19.561	19.66	80.9	40.96	84.0	.0512	.8039	19.12.8	S	8 12 „
17	19.561	20.33	84.9	40.64	84.5	.0620	.8004	19.09.9	D	9 12 „
18	18.738	20.73	86.0	40.26	85.2	.0686	.7962	19.07.3	D	10 12 „
19	17.366	20.77	87.0	39.90	86.1	.0694	.7923	19.06.4	D	11 12 „
20	16.886	20.72	87.7	39.81	87.0	.0686	.7913	19.05.5	D	Noon.
21	17.572	20.20	88.5	39.88	87.7	.0600	.7920	19.07.0	N	1 12 p. m.
22	18.670	19.33	88.9	39.86	88.7	.0457	.7918	19.08.7	N	2 12 „
23	19.218	18.80	88.9	39.52	89.1	.0371	.7881	19.08.4	N	3 12 „
MAR. 16TH-Noon	18.464	19.50	87.1	39.20	88.3	.0485	.7846	19.05.5	S	4 12 „
1	18.189	19.35	86.6	39.07	87.8	.0461	.7831	19.05.3	S	5 12 „
2	18.327	19.25	85.5	39.11	87.0	.0434	.7836	19.05.9	S	6 12 „
3	18.258	19.11	85.0	39.40	86.1	.0421	.7868	19.07.2	S	7 12 „
4	18.258	19.05	84.5	39.68	86.0	.0411	.7898	19.08.6	S	8 12 „
5	18.601	18.97	84.1	39.82	85.7	.0399	.7914	19.09.3	D	9 12 „
6	18.807	18.86	83.8	39.91	85.3	.0381	.7924	19.10.0	D	10 12 „
7	18.670	18.95	83.5	40.15	85.0	.0395	.7950	19.10.8	D	11 12 „
8	18.670	19.18	83.4	40.38	84.2	.0432	.7975	19.11.3	D	Midnight.
9	18.670	19.05	83.1	40.52	84.1	.0411	.7991	19.12.2	N	1 12 a. m.
10	18.807	19.12	82.8	40.56	84.0	.0424	.7995	19.12.2	N	2 12 „
11	18.772	19.14	82.7	40.61	83.8	.0426	.8001	19.12.3	N	3 12 „
12	18.807	19.02	82.3	40.61	83.6	.0415	.8001	19.12.6	N	4 12 „
13	19.013	19.25	82.1	40.71	83.6	.0434	.8012	19.12.7	S	5 12 „
14	18.670	19.12	82.0	40.79	83.0	.0424	.8020	19.13.2	S	6 12 „
15	19.013	19.34	82.2	40.89	83.0	.0447	.8031	19.13.2	S	7 12 „
16	19.630	19.50	82.6	40.90	83.4	.0485	.8033	19.12.8	S	8 12 „
17	18.944	19.81	83.8	40.62	84.0	.0535	.8002	19.10.9	D	9 12 „
18	18.807	20.26	84.8	40.34	84.8	.0610	.7971	19.08.8	D	10 12 „
19	18.601	20.29	85.7	40.06	85.3	.0614	.7940	19.07.7	D	11 12 „
20	17.641	20.31	86.8	39.83	85.9	.0617	.7915	19.06.5	D	Noon.
21	17.298	19.97	86.3	39.75	86.2	.0563	.7906	19.06.9	N	1 12 p. m.
22	17.435	19.89	86.8	39.81	87.0	.0548	.7913	19.07.3	N	2 12 „
23	18.121	19.78	86.8	39.71	87.1	.0530	.7902	19.07.1	N	3 12 „

On the 14th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 17TH TO 19TH MARCH 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
MAR. 17TH-Noon	18°807	19.70	86°5	39.55	87°6	8.0518	2.7884	19°06′5	N	4 12 p. m.
1	18.807	19.71	86.6	39.34	87.3	.0519	.7861	19.05.6	S	5 12 ,,
2	18.601	19.84	86.0	39.36	86.9	.0540	.7863	19.05.5	S	6 12 ,,
3	18.327	19.57	85.6	39.50	86.7	.0497	.7879	19.06.6	S	7 12 ,,
4	18.327	19.46	85.4	39.60	86.5	.0479	.7890	19.07.4	S	8 12 ,,
5	18.601	19.47	85.1	39.69	86.2	.0481	.7899	19.07.7	D	9 12 ,,
6	18.807	19.41	84.8	39.82	85.8	.0470	.7914	19.08.4	D	10 12 ,,
7	18.738	19.24	84.2	40.02	85.5	.0432	.7936	19.09.8	D	11 12 ,,
8	18.944	19.01	83.8	40.10	84.9	.0404	.7945	19.10.6	D	Midnight.
9	19.081	19.09	83.2	40.33	84.4	.0417	.7970	19.11.2	N	1 12 a. m.
10	19.013	19.09	82.8	40.37	84.0	.0417	.7974	19.11.3	N	2 12 ,,
11	19.356	19.19	82.3	40.50	83.3	.0434	.7989	19.11.8	N	3 12 ,,
12	18.875	19.29	81.8	40.80	83.3	.0438	.8022	19.13.0	N	4 12 ,,
13	18.944	18.96	81.8	40.79	83.0	.0397	.8020	19.13.5	S	5 12 ,,
14	19.150	19.36	81.8	41.04	83.0	.0453	.8048	19.13.9	S	6 12 ,,
15	20.110	19.48	82.0	41.14	83.0	.0479	.8059	19.14.0	S	7 12 ,,
16	20.522	19.79	82.8	41.09	83.0	.0532	.8053	19.13.1	S	8 12 ,,
17	19.904	20.16	83.8	40.74	84.6	.0594	.8015	19.10.8	D	9 12 ,,
18	19.356	20.43	85.1	40.41	85.4	.0637	.7979	19.08.7	D	10 12 ,,
19	18.327	20.61	86.3	39.79	86.3	.0666	.7910	19.05.7	D	11 12 ,,
20	17.641	20.43	87.1	39.70	86.8	.0637	.7901	19.05.7	D	Noon.
21	17.778	20.16	87.8	39.62	87.4	.0584	.7892	19.06.1	N	1 12 p. m.
22	17.984	19.95	87.9	39.53	87.6	.0555	.7882	19.05.9	N	2 12 ,,
23	18.670	19.66	87.4	39.50	88.0	.0512	.7879	19.06.5	N	3 12 ,,
MAR. 18TH-Noon	19.424	19.44	87.2	39.43	88.2	.0475	.7871	19.06.6	N	4 12 ,,
1	18.807	19.31	86.6	39.18	87.8	.0454	.7843	19.05.9	S	5 12 ,,
2	18.670	18.98	85.9	39.41	87.0	.0389	.7869	19.07.6	S	6 12 ,,
3	18.944	18.89	85.0	39.76	86.0	.0385	.7907	19.09.2	S	7 12 ,,
4	18.327	18.91	84.1	40.04	85.7	.0388	.7938	19.10.4	S	8 12 ,,
5	18.052	18.90	83.5	40.40	85.1	.0387	.7978	19.11.9	D	9 12 ,,
6	18.189	19.13	83.4	40.49	84.8	.0424	.7987	19.11.9	D	10 12 ,,
7	18.738	18.99	83.2	40.48	84.4	.0401	.7986	19.12.1	D	11 12 ,,
8	18.670	19.03	82.9	40.53	84.4	.0407	.7992	19.12.2	D	Midnight.
9	19.047	18.88	82.6	40.77	84.0	.0383	.8018	19.13.7	N	1 12 a. m.
10	18.327	18.89	82.5	40.76	83.5	.0385	.8017	19.13.5	N	2 12 ,,
11	18.258	18.97	82.3	40.79	83.1	.0399	.8020	19.13.5	N	3 12 ,,
12	18.121	19.07	82.2	41.04	83.0	.0415	.8048	19.14.3	N	4 12 ,,
13	18.395	19.22	82.1	41.13	82.8	.0430	.8058	19.14.6	S	5 12 ,,
14	18.944	19.20	82.0	41.28	82.8	.0426	.8074	19.15.1	S	6 12 ,,
15	19.081	19.31	82.0	41.33	82.8	.0454	.8080	19.15.1	S	7 12 ,,
16	19.836	19.52	82.2	41.34	82.9	.0487	.8081	19.14.6	S	8 12 ,,
17	19.561	20.08	83.4	41.00	83.4	.0579	.8044	19.12.1	D	9 12 ,,
18	19.013	20.09	84.0	40.61	83.8	.0581	.8001	19.10.4	D	10 12 ,,
19	17.572	20.18	84.4	40.51	84.4	.0596	.7990	19.09.7	D	11 12 ,,
20	16.680	19.99	84.8	40.52	84.6	.0565	.7991	19.10.1	D	Noon.
21	17.641	19.82	84.9	40.66	85.4	.0538	.8006	19.11.1	N	1 12 p. m.
22	18.327	19.62	85.1	40.60	85.1	.0496	.8000	19.11.4	N	2 12 ,,
23	19.013	19.45	85.0	40.54	86.3	.0477	.7993	19.11.4	N	3 12 ,,
MAR. 19TH-Noon	19.561	19.35	84.7	40.19	86.3	.0461	.7954	19.10.1	D	4 12 ,,
1	19.150	18.99	83.3	40.16	85.9	.0401	.7951	19.10.8	S	5 12 ,,
2	19.081	18.92	83.0	40.35	85.0	.0389	.7972	19.11.6	S	6 12 ,,
3	18.875	18.75	82.2	40.62	84.0	.0362	.8002	19.13.2	S	7 12 ,,
4	18.807	18.67	82.0	40.92	83.2	.0350	.8035	19.14.7	S	8 12 ,,
5	18.601	18.64	81.7	40.94	83.0	.0344	.8037	19.15.0	D	9 12 ,,
6	19.013	18.87	81.1	41.38	82.7	.0374	.8085	19.16.4	D	10 12 ,,
7	19.013	18.99	80.7	41.58	82.5	.0401	.8107	19.16.9	D	11 12 ,,
8	18.670	19.06	80.3	41.67	82.3	.0413	.8117	19.17.2	D	Midnight.
9	18.327	19.07	80.0	41.46	82.0	.0415	.8094	19.16.0	N	1 12 a. m.
10	18.670	19.03	79.8	41.89	81.3	.0407	.8141	19.18.1	N	2 12 ,,
11	19.081	18.93	79.4	41.91	81.0	.0391	.8144	19.18.4	N	3 12 ,,

On the 17th, at about 19h., Dip as obtained by Observation was 19°08′8.
On the 19th, at about 20h., Dip as obtained by Observation was 18°54′7.

DAILY OBSERVATIONS FROM 19TH TO 24TH MARCH 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAR. 19TH—12	19'013	18.91	78°8	41.98	80°3	8.0388	2.8151	19°18'7	N	4 12 a. m.
13	18.361	19.04	78.8	42.09	80.4	.0409	.8163	19.18.9	S	5 12 „
14	18.772	19.11	78.8	42.26	80.1	.0421	.8182	19.19.4	S	6 12 „
15	19.767	19.35	79.0	42.38	80.0	.0461	.8195	19.19.5	S	7 12 „
16	20.042	19.54	79.3	42.25	80.3	.0491	.8181	19.18.5	S	8 12 „
17	20.110	19.78	80.8	42.03	81.0	.0530	.8157	19.17.2	N	9 12 „
18	19.493	19.92	81.8	41.58	81.2	.0555	.8107	19.14.8	N	10 12 „
19	18.327	20.06	82.8	41.23	82.6	.0577	.8069	19.13.0	D	11 12 „
20	17.641	19.98	83.7	41.10	83.4	.0563	.8055	19.12.8	D	Noon.
21	17.984	19.95	84.5	41.39	84.0	.0559	.8086	19.13.9	N	1 12 p. m.
22	18.875	19.78	85.0	41.09	84.8	.0530	.8053	19.13.1	N	2 12 „
23	19.356	19.48	85.2	40.80	85.8	.0481	.8022	19.12.5	N	3 12 „
MAR. 23RD—Noon	18.327	19.63	84.9	40.55	85.8	.0506	.7994	19.11.0	D	4 12 „
1	18.738	19.51	84.1	40.97	85.7	.0486	.8040	19.13.1	D	5 12 „
2	18.670	19.25	83.0	41.05	85.1	.0434	.8049	19.14.2	D	6 12 „
3	18.464	19.11	82.8	41.28	84.3	.0421	.8074	19.15.2	D	7 12 „
4	18.327	19.01	82.5	41.51	83.8	.0404	.8100	19.16.6	D	8 12 „
5	18.258	19.24	82.2	41.36	83.6	.0432	.8083	19.15.5	C	9 12 „
6	18.258	19.18	81.8	41.48	82.8	.0432	.8096	19.16.0	C	10 12 „
7	18.395	19.14	81.4	41.37	82.4	.0426	.8084	19.15.5	C	11 12 „
8	18.532	19.21	81.4	41.97	82.4	.0427	.8150	19.18.2	C	Midnight.
9	18.772	19.15	81.2	42.08	82.7	.0428	.8162	19.18.5	L	1 12 a. m.
10	19.081	19.18	81.2	42.13	82.4	.0432	.8168	19.18.8	L	2 12 „
11	18.738	19.29	81.0	42.18	82.1	.0440	.8173	19.19.9	L	3 12 „
12	18.464	19.40	81.0	42.21	82.0	.0469	.8177	19.18.7	L	4 12 „
13	18.670	19.52	80.6	42.25	81.8	.0487	.8181	19.18.5	D	5 12 „
14	18.670	19.30	80.5	42.40	81.5	.0453	.8198	19.19.7	D	6 12 „
15	19.356	19.23	80.9	42.56	81.9	.0432	.8215	19.20.7	D	7 12 „
16	20.385	19.61	81.8	42.57	82.3	.0503	.8216	19.19.8	D	8 12 „
17	20.796	19.97	83.0	42.19	83.0	.0563	.8174	19.17.3	C	9 12 „
18	20.042	20.24	83.8	41.60	83.4	.0606	.8110	19.14.3	C	10 12 „
19	18.738	20.34	84.0	41.41	83.5	.0622	.8089	19.13.2	C	11 12 „
20	19.356	20.23	84.4	41.52	84.1	.0604	.8101	19.14.0	C	Noon.
21	18.258	20.15	85.2	41.41	85.0	.0592	.8089	19.13.6	L	1 12 p. m.
22	18.807	20.01	85.4	41.35	85 6	.0568	.8082	19.13.6	L	2 12 „
23	19.561	19.87	85.5	41.23	86.0	.0546	.8069	19.13.3	L	3 12 „
MAR. 24TH—Noon	19.630	19.65	85.0	40.93	86.1	.0510	.8036	19.12.7	L	4 12 „
1	19.150	19.51	84.5	40.78	86.0	.0486	.8019	19.12.2	D	5 12 „
2	18.807	19.39	83.7	40.86	85.4	.0467	.8028	19.12.9	D	6 12 „
3	18.738	19.33	83.1	41.14	84.7	.0457	.8059	19.14.2	D	7 12 „
4	18.327	19.38	82.9	41.28	84.2	.0465	.8074	19.14.6	D	8 12 „
5	18.327	19.29	82.6	41.31	83.5	.0440	.8078	19.15.2	C	9 12 „
6	18.395	19.33	82.2	41.68	83.2	.0457	.8118	19.16.5	C	10 12 „
7	18.532	19.34	82.0	41.83	82.8	.0459	.8135	19.17.2	C	11 12 „
8	18.738	19.36	81.7	41.88	82.5	.0463	.8140	19.17.4	C	Midnight.
9	18.875	19.35	81.5	42.06	82.6	.0461	.8160	19.18.1	L	1 12 a. m.
10	18.944	19.27	81.3	42.08	82.5	.0438	.8162	19.18.4	L	2 12 „
11	18.601	19.28	81.0	42.12	82.3	.0438	.8167	19.18.7	L	3 12 „
12	18.395	19.33	80.8	42.18	82.1	.0457	.8173	19.18.6	L	4 12 „
13	18.189	19.50	81.0	42.26	82.0	.0485	.8182	19.18.5	D	5 12 „
14	18.670	19.23	80.4	42.45	81.8	.0440	.8203	19.20.1	D	6 12 „
15	19.561	19.26	80.3	42.55	81.7	.0436	.8214	19.20.5	D	7 12 „
16	20.316	19.58	80.9	42.56	81.9	.0497	.8215	19.19.8	D	8 12 „
17	20.933	19.84	81.7	42.27	82.3	.0540	.8185	19.18.1	C	9 12 „
18	20.896	20.06	82.5	41.95	82.8	.0577	.8148	19.16.2	C	10 12 „
19	19.356	20.21	83.3	41.41	83.6	.0601	.8089	19.13.5	C	11 12 „
20	18.121	20.27	83.7	41.31	83.8	.0612	.8078	19.13.0	C	Noon.
21	18.189	20.24	84.0	41.41	84.3	.0606	.8089	19.13.4	L	1 12 p. m.
22	18.464	20.19	84.3	41.34	84.8	.0598	.8081	19.13.2	L	2 12 „
23	18.807	20.01	84.3	41.22	85.2	.0568	.8068	19.13.1	L	3 12 „

On the 24th, at about 19h., Dip as obtained by Observation was 19°15'6.

DAILY OBSERVATIONS FROM 25TH TO 27TH MARCH 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Mar. 25th-Noon	18·464	19.81	84·0	40.99	85·5	8.0535	2.8042	19°12′5	L	4 12 p. m.
1	18.121	19.72	83.6	41.05	85.0	.0520	8049	19.13.0	D	5 12 ,,
2	19.876	19.55	82.4	41.20	83.2	.0493	.8066	19.14·0	D	6 12 ,,
3	18.189	19.45	81.8	41.38	82.8	.0477	.8085	19.15·0	D	7 12 ,,
4	18.121	19.31	81.3	41.73	82.6	.0454	.8124	19.16.8	D	8 12 ,,
5	18.258	19.20	81.0	41.83	82.5	.0426	.8135	19.17.6	C	9 12 ,,
6	18.670	19.35	81.0	41.97	82.4	.0461	.8150	19.17.8	C	10 12 ,,
7	18.532	19.44	80.7	42.26	82.1	.0475	·8182	19.18.7	C	11 12 ,,
8	18.395	19.38	80.4	42.36	81.9	.0465	·8193	19.19.3	C	Midnight.
9	18.395	19.38	80.3	42.50	81.5	.0465	.8209	19.19.9	L	1 12 a. m.
10	18.738	19.37	80.1	42.43	81.6	.0465	.8201	19.19.6	L	2 12 ,,
11	18.395	19.31	79.9	42.40	81.2	.0454	.8198	19.19.7	L	3 12 ,,
12	17.984	19.43	79.8	42.53	81.0	.0475	·8212	19.19.9	L	4 12 ,,
13	18.121	19.55	79.5	42.63	80.9	.0493	.8223	19.20.2	D	5 12 ,,
14	17.984	19.32	79.1	42.76	80.3	.0457	.8237	19.21.2	D	6 12 ,,
15	19.013	19.50	80.0	42.33	80.9	.0435	.8445	19.21.1	D	7 12 ,,
16	20.385	19.85	80.5	42.93	81.1	.0542	.8256	19.20.9	D	8 12 ,,
17	21.139	20.08	81.5	42.85	81.6	.0579	.8247	19.20.1	C	9 12 ,,
18	20.247	20.28	82.5	42.17	82.2	.0612	.8172	19·16.6	C	10 12 ,,
19	18.807	20.41	83.2	41.90	83.2	.0634	.8143	19.15.3	C	11 12 ,,
20	18.464	20.39	84.0	41.82	84.0	.0630	.8134	19·14.9	C	Noon.
21	18.807	20.27	84.6	41.56	84.5	.0612	.8105	19.14.1	L	1 12 p. m.
22	18.807	20.11	85.1	41.36	85.3	.0585	.8083	19.13.4	L	2 12 ,,
23	18.601	19.86	85.1	41.09	85.8	.0544	.8053	19.13.0	L	3 12 ,,
Mar. 26th-Noon	18.395	19.69	84.8	40.99	85.8	.0516	.8042	19.12.7	L	4 12 ,,
1	18.327	19.73	84.1	40.97	85.7	.0522	.8040	19.12.7	D	5 12 ,,
2	18.327	19.53	83.1	41.15	85.1	.0489	.8060	19.13.8	D	6 12 ,,
3	17.984	19.43	82.4	41.23	84.3	.0473	.8069	19.14.4	D	7 12 ,,
4	17.778	19.44	82.2	41.46	83.7	.0475	·8094	19.15.3	D	8 12 ,,
5	18.464	19.40	82.0	41.69	83.0	.0469	.8119	19.16.4	C	9 12 ,,
6	18.121	19.31	81.8	41.81	83.0	.0454	.8133	19.17.2	C	10 12 ,,
7	18.327	19.36	81.3	41.93	82.8	.0463	.8146	19.17.6	C	11 12 ,,
8	18.532	19.50	81.5	42.07	82.2	.0485	·8161	19.17.7	C	Midnight.
9	18.670	19.41	81.4	42.12	82.4	.0470	.8169	19.18.3	L	1 12 a. m.
10	18.601	19.48	81.0	42.11	82.1	.0481	.8166	19.18.1	L	2 12 ,,
11	18.464	19.33	80.7	42.17	81.8	.0459	.8172	19.18.5	L	3 12 ,,
12	18.464	19.29	80.3	42.24	81.4	.0440	.8180	19·19.2	L	4 12 ,,
13	18.327	19.37	80.1	42.23	81.1	.0465	.8179	19.18.7	D	5 12 ,,
14	18.532	19.34	79.2	42.43	80.9	.0457	.8201	19.19.7	D	6 12 ,,
15	19.081	19.51	79.0	42.83	81.0	.0486	.8245	19.21.1	D	7 12 ,,
16	19.699	19.88	79.9	42.89	81.2	.0546	.8251	19.20.5	D	8 12 ,,
17	20.110	20.28	81.6	42.68	82.0	.0612	.8228	19.18.9	L	9 12 ,,
18	19.904	20.57	83.3	42.24	83.0	.0661	.8180	19.16.3	L	10 12 ,,
19	18.944	20.42	84.4	41.74	84.0	.0637	.8125	19.14.5	L	11 12 ,,
20	18.052	20.28	85.0	41.62	84.7	.0612	.8112	19·14.3	L	Noon.
21	17.846	20.16	85.8	41.57	85.7	.0594	.8106	19.14.3	C	1 12 p. m.
22	17.915	20.01	86.0	41.35	86.2	.0568	.8082	19.13.6	C	2 12 ,,
23	18.395	19.74	86.0	41.06	87.0	.0524	.8050	19.13.1	C	3 12 ,,
Mar. 27th-Noon	18.395	19.39	86.0	40.73	87.0	.0467	.8014	19.12.3	C	4 12 ,,
1	17.915	18.93	85.2	40.64	86.4	.0391	.8004	19.12.9	D	5 12 ,,
2	18.258	18.54	84.3	40.92	85.7	.0327	.8035	19.14.0	D	6 12 ,,
3	18.875	18.29	83.8	41.14	85.2	.0286	.8059	19.16.4	D	7 12 ,,
4	19.218	18.15	83.5	41.54	84.6	.0264	.8103	19.18.5	D	8 12 ,,
5	19.699	18.15	83.5	41.71	83.7	.0264	.8122	19.19.2	L	9 12 ,,
6	20.590	18.33	82.9	41.70	83.4	.0293	.8121	19.18.8	L	10 12 ,,
7	20.179	18.15	82.5	41.86	83.5	.0264	.8138	19.19.9	L	11 12 ,,
8	20.042	18.51	82.3	42.01	83.5	.0322	.8155	19.19.8	L	Midnight.
9	20.179	18.42	82.2	42.03	83.0	.0309	.8157	19·20.1	C	1 12 a. m.
10	18.327	18.71	81.9	42.06	82.7	.0355	.8160	19.19.4	C	2 12 ,,
11	18.532	18.88	81.6	42.08	82.7	.0383	.8162	19.19.2	C	3 12 ,,

On the 27th, at about 18h., Dip as obtained by Observation was 18°48′1.

DAILY OBSERVATIONS FROM 27TH TO 30TH MARCH 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAR. 27TH—12	18°944	18.79	81°1	42.14	82°1	8.0368	2.8169	19°19'6	C	4 12 a. m.
13	-19.013	18.78	80.9	42.21	81.9	.0366	.8177	19.20.0	D	5 12 „
14	19.013	19.18	81.4	42.36	82.0	.0432	.8193	19.19.8	D	6 12 „
15	19.356	19.24	81.7	42.57	82.2	.0432	.8216	19.20.7	D	7 12 „
16	19.356	19.34	82.2	42.43	82.7	.0459	.8201	19.19.7	D	8 12 „
17	19.561	19.75	83.0	42.29	83.0	.0526	.8185	19.18.2	L	9 12 „
18	19.424	19.82	83.8	41.96	83.6	.0538	.8149	19.16.7	L	10 12 „
19	18.807	19.94	84.7	41.47	84.0	.0557	.8095	19.14.3	L	11 12 „
20	17.709	19.81	85.4	41.33	85.0	.0535	.8080	19.14.0	L	Noon.
21	17.709	19.75	86.1	41.22	85.7	.0526	.8068	19.13.6	C	1 12 p. m.
22	17.641	19.77	86.6	41.03	86.1	.0530	.8047	19.12.9	C	2 12 „
23	17.778	19.77	86.9	40.80	87.2	.0530	.8022	19.11.8	C	3 12 „
MAR. 28TH-Noon	17.778	19.66	86.8	40.55	87.7	.0512	.7994	19.11.0	L	4 12 „
1	17.984	19.59	86.4	40.38	87.6	.0499	.7971	19.10.2	D	5 12 „
2	18.327	19.53	85.9	40.42	87.2	.0489	.7980	19.10.7	D	6 12 „
3	17.915	19.37	85.3	40.64	86.4	.0465	.8004	19.11.9	D	7 12 „
4	18.327	19.30	85.0	40.78	86.1	.0453	.8019	19.12.7	D	8 12 „
5	18.464	19.23	84.4	41.05	85.0	.0432	.8049	19.14.2	C	9 12 „
6	18.532	19.21	83.9	41.24	84.8	.0427	.8070	19.15.0	C	10 12 „
7	18.875	19.29	83.5	41.39	84.5	.0440	.8086	19.15.5	C	11 12 „
8	19.150	19.20	83.0	41.51	83.8	.0426	.8100	19.16.2	C	Midnight.
9	18.738	19.37	82.9	41.67	84.0	.0465	.8117	19.16.4	L	1 12 a. m.
10	18.944	19.35	82.7	41.71	83.8	.0461	.8122	19.16.6	L	2 12 „
11	18.464	19.36	82.5	41.83	83.6	.0463	.8135	19.17.2	L	3 12 „
12	18.327	19.44	82.3	41.90	83.4	.0475	.8143	19.17.3	L	4 12 „
13	18.052	19.46	82.3	41.90	83.2	.0479	.8143	19.17.3	D	5 12 „
14	17.984	19.65	82.5	42.04	83.1	.0510	.8158	19.17.5	D	6 12 „
15	18.670	19.59	82.4	42.25	83.2	.0499	.8181	19.18.4	D	7 12 „
16	20.042	19.87	83.1	42.31	83.5	.0546	.8188	19.18.0	D	8 12 „
17	20.865	20.28	84.2	42.41	83.8	.0612	.8199	19.17.7	C	9 12 „
18	20.385	20.46	85.0	41.54	84.8	.0643	.8103	19.13.6	C	10 12 „
19	18.395	20.52	86.0	40.87	85.6	.0653	.8029	19.10.5	C	11 12 „
20	17.709	20.24	87.0	40.89	86.4	.0606	.8031	19.11.2	C	Noon.
21	17.778	20.07	87.1	40.92	86.8	.0579	.8035	19 11.8	L	1 12 p. m.
22	18.464	19.84	87.3	40.82	87.4	.0540	.8024	19.11.8	L	2 12 „
23	18.807	19.66	87.3	40.66	87.7	.0512	.8006	19.11.5	L	3 12 „
MAR. 30TH-Noon	18.738	19.71	86.0	40.92	87.2	.0519	.8035	19.12.5	D	4 12 „
1	18.738	19.51	85.6	40.91	86.9	.0486	.8034	19.12.8	D	5 12 „
2	18.807	18.91	84.5	41.04	86.2	.0388	.8048	19.14.7	D	6 12 „
3	19.013	18.70	84.0	41.16	85.4	.0349	.8061	19.15.6	D	7 12 „
4	19.013	18.74	83.7	41.30	85.0	.0360	.8077	19.16.2	D	8 12 „
5	18.875	18.89	83.2	41.53	84.2	.0385	.8102	19.16.7	C	9 12 „
6	18.738	19.00	82.8	41.67	83.0	.0403	.8117	19.17.3	C	10 12 „
7	18.395	19.02	82.6	41.83	82.8	.0405	.8135	19.17.9	C	11 12 „
8	18.464	19.14	82.2	41.93	82.7	.0426	.8146	19.18.0	C	Midnight.
9	18.329	19.25	82.0	41.98	82.6	.0434	.8151	19.18.2	C	1 12 a. m.
10	18.670	19.31	81.7	42.08	82.6	.0454	.8162	19.18.2	C	2 12 „
11	18.670	19.33	81.4	42.19	82.4	.0457	.8174	19.18.6	D	3 12 „
12	18.670	19.27	81.1	42.26	82.1	.0438	.8182	19.19.2	D	4 12 „
13	18.670	18.86	80.3	42.56	81.9	.0381	.8215	19.21.4	D	5 12 „
14	18.670	19.10	80.0	42.64	81.2	.0420	.8224	19.21.1	D	6 12 „
15	19.013	19.02	80.1	42.80	81.5	.0407	.8242	19.22.0	D	7 12 „
16	20.385	19.43	80.8	42.86	81.9	.0475	.8248	19.21.4	D	8 12 „
17	20.453	19.78	81.9	42.58	82.7	.0520	.8217	19.19.6	D	9 12 „
18	20.042	20.02	83.1	42.06	83.6	.0569	.8160	19.16.7	D	10 12 „
19	17.846	20.19	84.5	41.52	84.0	.0588	.8101	19.14.1	C	11 12 „
20	17.294	20.23	85.4	41.44	84.7	.0604	.8092	19.13.6	C	Noon.
21	17.915	20.05	85.8	41.46	85.4	.0575	.8094	19.14.0	L	1 12 p. m.
22	18.121	19.86	85.9	41.36	86.0	.0561	.8083	19.13.8	L	2 12 „
23	18.532	19.75	85.6	41.31	86.3	.0526	.8078	19.14.0	L	3 12 „

On the 28th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST MARCH TO 2ND APRIL 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAR. 31ST—Noon	18·738	19.57	85·4	41.19	86·3	8.0497	2.8064	19°13′8	L	4 12 p. m.
1	18.670	19.56	85.0	41.23	85.9	.0495	.8069	19.14.0	L	5 12 „
2	18.807	19.27	84.3	41.37	85.7	.0438	.8084	19.15.4	D	6 12 „
3	18.327	19.39	84.0	41.45	85.1	.0467	.8093	19.15.4	D	7 12 „
4	18.327	19.29	83.2	41.64	84.8	.0440	.8114	19.16.6	D	8 12 „
5	18.395	19.37	83.4	41.85	84.3	.0467	.8137	19.17.2	L	9 12 „
6	18.532	19.40	83.2	42.04	83.9	.0469	.8158	19.18.0	L	10 12 „
7	18.601	19.41	83.0	42.11	83.8	.0470	.8166	19.18.2	L	11 12 „
8	18.738	19.46	82.9	42.21	83.6	.0479	.8177	19.18.6	C	Midnight.
9	18.670	19.44	82.7	42.29	83.0	.0475	.8185	19.18.9	C	1 12 a. m.
10	18.601	19.39	82.3	42.33	82.8	.0467	.8190	19.19.2	C	2 12 „
11	18.464	19.50	82.0	42.59	82.9	.0485	.8218	19.20.0	C	3 12 „
12	18.395	19.58	82.0	42.48	82.7	.0497	.8206	19.19.4	C	4 12 „
13	17.984	19.48	81.9	42.75	82.8	.0481	.8236	19.20.9	C	5 12 „
14	18.670	19.44	81.7	42.78	82.7	.0475	.8243	19.21.2	D	6 12 „
15	19.767	19.47	81.1	42.91	82.1	.0471	.8254	19.21.7	D	7 12 „
16	20.385	19.71	81.8	42.88	82.7	.0519	.8250	19.20.9	D	8 12 „
17	20.659	19.86	82.8	42.69	83.1	.0544	.8229	19.19.8	D	9 12 „
18	20.110	20.26	84.3	42.27	84.0	.0600	.8183	19.17.2	L	10 12 „
19	18.052	20.29	85.8	41.56	85.4	.0614	.8105	19.14.1	L	11 12 „
20	17.023	20.17	86.7	41.31	86.2	.0596	.8078	19.13.1	L	Noon.
21	17.984	20.06	87.2	41.36	87.0	.0577	.8083	19.13.6	C	1 12 p. m.
22	17.908	20.08	87.3	41.29	87.3	.0579	.8075	19.13.3	C	2 12 „
23	17.778	19.93	87.3	41.10	86.8	.0555	.8055	19.12.8	C	3 12 „
APR. 1ST—Noon	17.984	19.75	87.0	41.10	88.4	.0526	.8055	19.13.2	C	4 12 „
1	17.984	19.75	86.7	41.04	87.9	.0526	.8048	19.12.9	D	5 12 „
2	17.984	19.65	86.0	41.12	87.3	.0510	.8057	19.13.6	D	6 12 „
3	18.327	19.59	85.7	41.31	86.9	.0499	.8078	19.14.4	D	7 12 „
4	18.258	19.70	85.8	41.41	87.0	.0518	.8089	19.14.5	D	8 12 „
5	18.532	19.52	85.8	41.42	86.8	.0489	.8090	19.15 0	L	9 12 „
6	18.738	19.42	85.5	41.49	86.3	.0473	.8097	19.15.6	L	10 12 „
7	18.327	19.58	85.2	41.60	85.9	.0497	.8110	19.15.7	L	11 12 „
8	18.944	19.37	84.6	41.74	85.4	.0465	.8125	19.16.7	L	Midnight.
9	18.670	19.18	84.2	41.86	85.3	.0432	.8138	19.17.7	C	1 12 a. m.
10	18.670	19.41	84.0	41.89	84.8	.0470	.8141	19.17.3	C	2 12 „
11	17.846	19.60	84.0	42.04	84.8	.0502	.8158	19.17.6	C	3 12 „
12	18.052	19.58	83.9	42.14	84.8	.0497	.8169	19.17.9	D	4 12 „
13	18.327	19.51	83.8	42.24	84.6	.0486	.8180	19.18.5	D	5 12 „
14	18.052	19.45	83.2	42.20	84.9	.0477	.8176	19.18.5	D	6 12 „
15	19.013	19.57	83.8	42.39	84.7	.0497	.8196	19.19.0	D	7 12 „
16	20.110	19.75	84.5	42.35	84.9	.0526	.8192	19.18.4	D	8 12 „
17	20.522	20.13	85.7	41.98	85.3	.0588	.8151	19.16.1	L	9 12 „
18	20.042	20.32	86.7	41.60	86.0	.0620	.8110	19.14.1	L	10 12 „
19	18.327	20.31	87.3	41.05	86.6	.0617	.8049	19.11.7	L	11 12 „
20	17.435	20.10	87.9	41.00	87.4	.0576	.8044	19.12.1	L	Noon.
21	16.886	20.05	88.7	40.97	88.3	.0575	.8040	19.12.0	C	1 12 p. m.
22	17.023	19.80	89.0	40.87	88.9	.0534	.8029	19.12.1	C	2 12 „
23	18.395	19.64	89.0	40.68	89.4	.0508	.8008	19.11.6	C	3 12 „
APR. 2ND—Noon	18.464	19.60	88.5	40.69	89.5	.0502	.8009	19.11.7	C	4 12 „
1	18.258	19.59	88.1	40.58	89.4	.0499	.7997	19.11.3	D	5 12 „
2	17.984	19.55	87.7	40.72	89.0	.0489	.8013	19.12.0	D	6 12 „
3	18.052	19.49	87.2	40.85	88.3	.0483	.8027	19.12.8	D	7 12 „
4	18.189	19.52	87.0	41.09	87.9	.0487	.8053	19.13.6	D	8 12 „
5	18.258	19.46	86.8	41.31	87.0	.0479	.8078	19.14.7	L	9 12 „
6	18.327	19.48	86.5	41.49	86.4	.0481	.8097	19.15.5	L	10 12 „
7	18.601	19.41	86.1	41.70	85.9	.0470	.8121	19.16.5	L	11 12 „
8	18.738	19.34	85.5	41.89	85.5	.0459	.8141	19.17.4	L	Midnight.
9	19.081	19.51	85.4	42.06	85 2	.0486	.8160	19.17.7	C	1 12 a. m.
10	19.013	19.44	85.2	42.15	85.0	.0475	.8170	19.18.3	C	2 12 „
11	18.807	19.51	85.0	42.15	84.9	.0486	.8170	19.18.1	C	3 12 „

On the 31st, at about 21h., Fixed Meridian Mark observed. Scale Reading 29·783.
On the 1st, at about 18h., Dip as obtained by Observation was 19°01′5.

DAILY OBSERVATIONS FROM 2ND TO 4TH APRIL 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	′							° ′		h. m.
Apr. 2nd—12	17·984	19.54	85°0	42.20	84°9	8.0491	2.8176	19°18′3	C	4 12 a. m.
13	18.121	19.64	84.7	42.24	84.5	.0508	.8180	19.18.3	D	5 12 „
14	18.395	19.33	84.1	42.28	84.3	.0457	.8184	19.19.0	D	6 12 „
15	19.767	19.45	84.7	42.44	84.7	.0477	.8202	19.19.5	D	7 12 „
16	21.071	19.69	85.2	42.50	85.1	.0516	.8209	19.19.2	D	8 12 „
17	21.758	20.07	86.2	42.16	85.3	.0579	.8171	19.17.0	L	9 12 „
18	20.590	20.44	87.0	41.37	86.2	.0639	.8084	19.12.8	L	10 12 „
19	17.846	20.56	87.7	41·06	86.9	.0659	.8050	19.11.3	L	11 12 „
20	17.092	20.36	88.5	41.03	87.6	.0626	.8047	19.11.6	L	Noon.
21	17.641	19.98	89.0	41.18	89.2	.0563	.8063	19.13.0	C	1 12 p. m.
22	17.503	19.91	89.3	40.98	89.2	.0552	.8041	19.12.3	C	2 12 „
23	17.846	20.02	89.0	40.93	89.2	.0571	.8036	19.11.9	C	3 12 „
Apr. 3rd—Noon	18.121	19.90	88.0	40.81	89.0	.0551	.8023	19.11.6	C	4 12 „
1	18.189	19.91	87.3	40.76	88.8	.0552	.8017	19.11.4	D	5 12 „
2	18.121	19.76	86.3	40.75	88.3	.0528	.8016	19.11.6	D	6 12 „
3	17.915	19.45	86.0	40.99	87.8	.0477	.8042	19.13.3	D	7 12 „
4	17.984	19.39	85.7	41.16	87.1	.0467	.8061	19.14.1	D	8 12 „
5	18.327	19.31	85.3	41.35	86.5	.0454	.8082	19.15.1	L	9 12 „
6	18.327	19.27	85.0	41.43	86.0	.0438	.8091	19.15.7	L	10 12 „
7	18.601	19.10	84.7	41.59	85.8	.0420	.8108	19.16.6	L	11 12 „
8	18.875	19.20	84.5	41.72	85.6	.0426	.8123	19.17.1	L	Midnight.
9	18.738	19.29	84.4	41.36	85.2	.0440	.8083	19.15.4	C	1 12 a. m.
10	18.875	19.33	84.2	41.62	84.7	.0457	.8112	19.16.2	C	2 12 „
11	18.532	19.40	84.0	41.64	84.7	.0469	.8114	19.16.2	C	3 12 „
12	18.052	19.44	83.8	41.81	84.2	.0475	.8133	19.16.9	C	4 12 „
13	17.984	19.55	83.5	41.92	84.1	.0493	.8145	19.17.2	D	5 12 „
14	19.013	19.36	83.3	42.13	84.3	.0463	.8168	19.18.4	D	6 12 „
15	20.639	19.37	83.9	42.43	84.4	.0465	.8201	19.19.6	D	7 12 „
16	21.071	19.74	84.7	42.14	84.7	.0524	.8169	19.17.6	D	8 12 „
17	21.963	20.05	85.6	41.65	85.0	.0575	.8115	19.14.9	L	9 12 „
18	20.453	20.22	86.6	40.87	85.8	.0604	.8029	19.11.2	L	10 12 „
19	17.984	20.19	87.4	40.48	85.6	.0598	.7986	19.09.5	L	11 12 „
20	16.886	19.98	87.5	40.41	87.0	.0563	.7979	19.09.7	L	Noon.
21	17.160	19.79	87.6	40.56	87.3	.0532	.7995	19.10.8	C	1 12 p. m.
22	17.435	19.61	87.6	40.58	87.8	.0503	.7997	19.11.3	C	2 12 „
23	17.984	19.34	87.3	40.64	88.0	.0469	.8004	19.12.0	C	3 12 „
Apr. 4th—Noon	18.807	19.24	87.0	40.54	88.0	.0432	.7993	19.12.0	C	4 12 „
1	18.670	19.30	86.5	40.42	87.3	.0453	.7980	19.11.2	D	5 12 „
2	18.464	19.21	85.3	40.61	87.1	.0427	.8001	19.12.3	D	6 12 „
3	18.327	19.40	85.0	40.80	86.7	.0469	.8022	19.12.6	D	7 12 „
4	18.258	19.31	84.8	40.99	86.2	.0454	.8042	19.13.6	D	8 12 „
5	18.258	19.25	84.6	41.15	85.8	.0434	.8060	19.14.6	L	9 12 „
6	18.327	19.33	84.5	41.27	85.5	.0457	.8073	19.14.7	L	10 12 „
7	18.464	19.41	84.3	41.36	85.2	.0470	.8083	19.15.0	L	11 12 „
8	18.601	19.41	83.8	41.55	84.9	.0470	.8104	19.15.8	L	Midnight.
9	18.464	19.41	83.6	41.62	84.6	.0470	.8112	19.16.1	C	1 12 a. m.
10	18.670	19.41	83.4	41.81	94.2	.0470	.8133	19.17.0	C	2 12 „
11	18.807	19.40	83.0	41.72	84.0	.0469	.8123	19.16.6	C	3 12 „
12	18.670	19.65	83.0	41.81	83.7	.0510	.8133	19.16.5	C	4 12 „
13	18.258	19.39	82.5	41.91	83.0	.0467	.8144	19.17.4	D	5 12 „
14	18.670	19.24	81.7	42.10	83.4	.0432	.8165	19.18.7	D	6 12 „
15	19.973	19.73	82.6	42.36	83.5	.0522	.8193	19.18.6	D	7 12 „
16	20.042	20.04	82.7	42.32	83.9	.0573	.8189	19.17.8	D	8 12 „
17	20.796	20.14	83.9	42.04	84.0	.0590	.8158	19.16.4	L	9 12 „
18	20.110	20.48	85.2	41.50	84.9	.0645	.8099	19.13.2	L	10 12 „
19	19.150	20.16	86.1	41.12	85.5	.0594	.8057	19.12.5	L	11 12 „
20	17.435	20.40	86.5	40.70	86.0	.0633	.8011	19.10.1	L	Noon.
21	16.612	20.24	86.7	40.89	86.3	.0606	.8031	19.11.2	C	1 12 p. m.
22	17.229	20.10	86.9	41.00	86.8	.0588	.8044	19.12.1	C	2 12 „
23	19.356	19.95	87.0	40.97	87.8	.0569	.8040	19.12.1	C	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°01′2.
On the 4th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH APRIL 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Apr. 6th-Noon	18°601	19.69	87°3	40.35	88°4	8.0516	2.7972	19°09'9	D	4 12 p. m.
1	18.670	19.75	87.0	40.39	88.1	.0526	.7976	19.10.0	D	5 12 „
2	18.670	19.49	85.9	40.53	87.7	.0484	.7992	19.11.3	D	6 12 „
3	18.258	19.25	85.0	40.46	87.0	.0434	.7984	19.11.6	D	7 12 „
4	18.052	19.18	84.9	40.59	86.2	.0432	.7998	19.12.2	D	8 12 „
5	18.532	19.26	84.6	40.98	85.7	.0436	.8041	19.13.8	L	9 12 „
6	18.532	19.22	84.3	41.05	85.5	.0430	.8049	19.14.2	L	10 12 „
7	18.532	19.22	84.0	41.15	85.0	.0430	.8060	19.14.6	L	11 12 „
8	18.601	19.39	83.8	41.25	84.9	.0467	.8071	19.14.5	L	Midnight.
9	18.670	19.40	83.7	41.45	84.9	.0469	.8093	19.15.4	C	1 12 a. m.
10	18.395	19.39	83.5	41.44	84.6	.0467	.8092	19.15.3	C	2 12 „
11	18.395	19.22	83.2	41.44	83.9	.0430	.8092	19.15.8	C	3 12 „
12	18.601	19.24	83.0	41.51	83.5	.0432	.8100	19.16.2	C	4 12 „
13	18.670	19.34	82.7	41.60	83.2	.0459	.8110	19.16.2	D	5 12 „
14	19.699	19.42	82.6	42.09	83.1	.0473	.8163	19.18.1	D	6 12 „
15	20.385	19.33	81.9	42.20	83.4	.0457	.8176	19.18.7	D	7 12 „
16	21.071	19.76	82.8	42.16	83.8	.0528	.8171	19.17.6	D	8 12 „
17	21.415	20.14	84.1	41.63	84.3	.0590	.8113	19.14.6	L	9 12 „
18	20.590	20.40	85.4	41.00	85.1	.0633	.8044	19.11.4	L	10 12 „
19	19.081	20.51	86.4	40 56	86.0	.0650	.7995	19.09.2	L	11 12 „
20	17.709	20.44	87.4	40.38	86.7	.0639	.7975	19.08.6	L	Noon.
21	16.680	20.43	87.8	40.37	87.4	.0637	.7974	19.08.5	C	1 12 p. m.
22	16.269	20.05	87.8	40.44	87.9	.0575	.7982	19.09.6	C	2 12 „
23	17.575	19.90	87.5	40.43	88.2	.0551	.7981	19.09.9	C	3 12 „
Apr. 7th-Noon	18.327	19.74	87.2	40.38	88.6	.0524	.7975	19.10.1	C	4 12 „
1	18.327	19.57	86.3	40.25	88.2	.0497	.7959	19.09.8	D	5 12 „
2	18.327	19 39	85.2	40.43	87.6	.0467	.7981	19.11.0	D	6 12 „
3	17.846	19.36	84.8	40.46	87.1	.0463	.7984	19.11.2	D	7 12 „
4	18.327	19.19	84.2	40.94	86.3	.0434	.8037	19.13.8	D	8 12 „
5	18.258	19.20	84.0	41.05	85.0	.0426	.8049	19.14.2	L	9 12 „
6	18.121	19.40	83.9	41.30	85.0	.0469	.8077	19.14.8	L	10 12 „
7	18.327	19.43	83.7	41.44	84.8	.0473	.8092	19.15.3	L	11 12 „
8	18.464	19.48	83.5	41.52	84.6	.0481	.8101	19.15.6	L	Midnight.
9	18.617	19.50	83.5	41.63	84.2	.0485	.8113	19.15.9	C	1 12 a. m.
10	18.617	19.47	83.4	41.67	84.0	.0481	.8117	19.16.3	C	2 12 „
11	18.258	19.57	83.4	41.82	84.0	.0497	.8134	19.16.6	C	3 12 „
12	18.189	19.40	88.1	41.77	83.9	.0469	.8128	19.16.8	C	4 12 „
13	18.052	19.43	82.9	41.86	83.5	.0463	.8138	19.17.3	D	5 12 „
14	17.641	19.23	82.4	41.90	83.2	.0432	.8143	19.17.9	D	6 12 „
15	19.013	19.53	83.1	42.11	83.5	.0489	.8166	19.17.9	D	7 12 „
16	19.699	19.98	83.9	42.01	83.8	.0563	.8155	19.16.7	D	8 12 „
17	20.247	20.50	84.8	41.86	84.8	.0649	.8138	19.14.8	L	9 12 „
18	29.836	20.72	85.6	41.31	85.3	.0686	.8078	19.11.9	L	10 12 „
19	17.778	20.79	86.5	40.73	86.0	.0696	.8014	19.10.3	L	11 12 „
20	15.788	20.73	87.0	40.43	86.7	.0686	.7981	19.08.6	L	Noon.
21	15.926	20.50	87.5	40.52	87.3	.0649	.7991	19.09.0	C	1 12 p. m.
22	16.474	20.26	87.9	40.59	87.9	.0610	.7998	19.09.9	C	2 12 „
23	17.092	20.03	87.8	40.55	88.3	.0571	.7994	19.10.2	C	3 12 „
Apr. 8th-Noon	18.052	19.85	87.5	40.50	88.4	.0542	.7989	19.10.4	C	4 12 „
1	18.807	19.49	86.9	40.44	88.0	.0483	.7982	19.10.9	D	5 12 „
2	18.738	19.44	86.2	40.53	87.6	.0475	.7992	19.11.3	D	6 12 „
3	18.327	19.09	85.4	40.46	87.1	.0417	.7984	19.11.7	D	7 12 „
4	18.258	19.25	85.0	40.59	86.3	.0434	.7998	19.12.2	D	8 12 „
5	18.327	19.21	84.7	40.77	85.8	.0427	.8017	19.13.0	L	9 12 „
6	18.327	19.30	84.4	41.12	85.5	.0453	.8057	19.14.3	L	10 12 „
7	18.327	19.36	84.3	41.14	85.2	.0463	.8059	19.14.2	L	11 12 „
8	18.464	19.50	84.1	41.31	85.2	.0485	.8078	19.14.5	L	Midnight.
9	18.464	19.45	83.9	41.25	85.0	.0477	.8071	19.14.4	C	1 12 a. m.
10	18.464	19.54	83.8	41.32	84.7	.0491	.8079	19.14.5	C	2 12 „
11	18.327	19.60	83.7	41.39	84.5	.0502	.8086	19.14.7	C	3 12 „

On the 7th, at about 18h., Dip as obtained by Observation was 19°00'0,

DAILY OBSERVATIONS FROM 8TH TO 10TH APRIL 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
APR. 8TH—12	18·327	19.55	83°5	41.47	84°2	8.0493	2.8095	19°15'2	C	4 12 a. m.
13	18.327	19.51	83.3	41.52	84.0	.0486	.8101	19.15.4	D	5 12 „
14	18.395	19.50	83.0	41.61	83.8	.0485	.8111	19.15.8	D	6 12 „
15	19.973	19.45	83.0	41.83	84.2	.0477	.8135	19.16.0	D	7 12 „
16	20.933	19.69	83.7	41.77	84.1	.0516	.8182	19.16.1	D	8 12 „
17	21.208	20.10	84'6	41.23	84.3	.0584	.8069	19.13.0	L	9 12 „
18	18.944	20.44	85.6	40.46	85.2	.0639	.7984	19.08.9	L	10 12 „
19	16.817	20.58	86.5	40.28	86.1	.0661	.7964	19.07.8	L	11 12 „
20	15.788	20.46	87.3	40.16	87.0	.0643	.7951	19.07.7	L	Noon.
21	15.720	20.28	87.7	40.22	87.4	.0612	.7958	19.08.4	C	1 12 p. m.
22	16.337	20.17	88.0	40.34	87.9	.0596	.7971	19.08.9	C	2 12 „
23	17.435	19.98	88.4	40.26	88.6	.0563	.7962	19.09.0	C	3 12 „
APR. 9TH—Noon	18.532	19.84	88.2	40.01	88.6	.0540	.7935	19.08.4	C	4 12 „
1	18.327	19.73	87.9	39.95	88.2	.0522	.7928	19.08.3	D	5 12 „
2	18.121	19.77	87.1	39.73	87.7	.0530	.7904	19.07.2	D	6 12 „
3	17.846	19.53	86.2	39.87	87.3	.0489	.7919	19.08.3	D	7 12 „
4	17.984	19.40	85.4	39.90	86.5	.0469	.7923	19.08.8	D	8 12 „
5	18.052	19.36	84.9	40.38	86.0	.0463	.7995	19.10.9	L	9 12 „
6	18.395	19.34	84.8	40.53	86.0	.0459	.7992	19.11.5	L	10 12 „
7	18.121	19.42	84.7	40.72	85.6	.0473	.8013	19.12.3	L	11 12 „
8	18.258	19.46	84.4	40.81	85.3	.0479	.8023	19.12.6	L	Midnight.
9	18.395	19.45	84.0	40.95	85.0	.0477	.8035	19.13.1	C	1 12 a. m.
10	18.464	19.53	83.8	41.14	84.5	.0489	.8059	19.13.8	C	2 12 „
11	18.601	19.59	83.7	41.21	84.2	.0499	.8067	19.14.0	C	3 12 „
12	18.464	19.50	83.5	41.18	84.2	.0485	.8063	19.13.9	C	4 12 „
13	18.327	19.42	83.1	41.29	84.7	.0473	.8075	19.14.7	D	5 12 „
14	19.013	19.26	82.8	41.48	84.2	.0436	.8096	19.15.9	D	6 12 „
15	19.973	19.45	83.0	41.53	84.4	.0477	.8102	19.15.6	D	7 12 „
16	20.728	19.66	83.8	41.49	84.6	.0512	.8097	19.14.1	D	8 12 „
17	20.933	20.04	84.8	40.97	84.9	.0573	.8040	19.13.1	L	9 12 „
18	18.807	20.32	85.7	40.31	85.6	.0620	.7968	19.08.5	L	10 12 „
19	17.229	20.42	86.5	40.09	86.3	.0637	.7943	19.07.4	L	11 12 „
20	16.131	20.34	87.0	39.87	86.9	.0622	.7919	19.06.6	L	Noon.
21	16.063	20.28	87.4	39.92	87.3	.0612	.7925	19.07.1	C	1 12 p. m.
22	16.612	20.13	87.4	39.88	87.7	.0588	.7920	19.07.1	C	2 12 „
23	17.160	19.95	87.2	39.89	88.0	.0569	.7920	19.07.4	C	3 12 „
APR. 10TH—Noon	17.778	19.87	87.0	39.74	88.0	.0548	.7905	19.07.0	C	4 12 „
1	18.052	19.59	86.2	39.73	87.8	.0499	.7904	19.07.6	D	5 12 „
2	17.915	19.67	85.8	39.82	87.3	.0514	.7914	19.07.9	D	6 12 „
3	17.641	19.40	85.0	39.90	86.7	.0469	.7923	19.08.8	D	7 12 „
4	17.641	19.26	84.3	40.08	85.9	.0436	.7942	19.09.9	D	8 12 „
5	18.258	19.28	84.1	40.37	85.6	.0438	.7974	19.11.1	L	9 12 „
6	18.258	19.40	83.9	40.48	85.2	.0469	.7986	19.11.2	L	10 12 „
7	18.601	19.27	83.6	40.67	85.1	.0438	.8007	19.12.5	L	11 12 „
8	18.532	19.31	83.6	40.73	85.0	.0454	.8014	19.12.5	L	Midnight.
9	18.601	19.37	83.4	40.76	84.5	.0465	.8017	19.12.5	C	1 12 a. m.
10	18.395	19.41	83.2	40.93	84.4	.0470	.8036	19.13.2	C	2 12 „
11	18.601	19.48	83.0	40.97	84.1	.0481	.8040	19.13.3	C	3 12 „
12	18.395	19.35	82.9	41.12	84.1	.0461	.8057	19.14.2	C	4 12 „
13	18.327	19.46	82.8	41.07	84.1	.0479	.8051	19.13.7	D	5 12 „
14	18.327	19.61	82.8	41.27	84.0	.0493	.8073	19.14.3	D	6 12 „
15	19.013	19.63	82.9	41.47	84.1	.0506	.8095	19.15.0	D	7 12 „
16	20.179	19.91	83.8	41.58	84.7	.0552	.8103	19.14.7	D	8 12 „
17	20.110	20.39	85.1	41.05	85.1	.0630	.8049	19.11.6	L	9 12 „
18	18·875	20.67	86.2	40.53	85.9	.0667	.7992	19.08.8	L	10 12 „
19	16.955	20.81	87.2	40.10	86.8	.0699	.7945	19.07.7	L	11 12 „
20	16.131	20.63	87.6	39.97	87.4	.0669	.7930	19.06.5	L	Noon.
21	16.337	20.50	88.0	40.09	87.9	.0649	.7943	19.07.2	C	1 12 p. m.
22	17.160	20.18	88.0	40.05	88.3	.0596	.7939	19.07.7	C	2 12 „
23	18.121	19.93	87.8	39.86	88.5	.0555	.7918	19.07.4	C	3 12 „

On the 10th, at about 18h., Dip as obtained by Observation was 19°09'0.

DAILY OBSERVATIONS FROM 11TH TO 14TH APRIL 1856.

DATE. Göttingen Mean Time, 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
APR. 11TH—Noon	18'464	19.75	87°4	39.71	88°7	8.0526	2.7902	19°07'1	C	4 12 p. m.
1	18.327	19.57	87.1	39.65	88.2	.0497	.7895	19.07.3	D	5 12 ,,
2	18.327	19.54	86.7	39.73	87.8	.0491	.7904	19.07.7	D	6 12 ,,
3	17.641	19.56	85.3	39.84	86.3	.0495	.7916	19.08.1	D	7 12 ,,
4	17.984	19.49	85.2	39.93	86.1	.0483	.7926	19.08.8	D	8 12 ,,
5	18.189	19.43	84.9	40.19	86.3	.0473	.7954	19.10.0	L	9 12 ,,
6	17.846	19.60	84.7	40.38	85.9	.0502	.7975	19.10.4	L	10 12 ,,
7	17.984	19.59	84.6	40.57	85.6	.0499	.7996	19.11.2	L	11 12 ,,
8	18.327	19.46	83.9	40.64	85.2	.0479	.8004	19.11.8	L	Midnight.
9	18.807	19.43	83.8	40.75	85.0	.0473	.8016	19.12.4	C	1 12 a. m.
10	18.404	19.49	84.0	40.76	84.6	.0483	.8017	19.12.4	C	2 12 ,,
11	18.189	19.53	83.8	40.88	84.6	.0489	.8030	19.12.7	C	3 12 ,,
12	18.807	19.57	83.6	40.93	84.3	.0497	.8036	19.12.8	C	4 12 ,,
13	19.699	19.30	83.0	41.03	84.5	.0453	.8048	19.13.9	D	5 12 ,,
14	19.013	19.43	82.9	41.29	84.7	.0473	.8075	19.14.7	D	6 12 ,,
15	20.042	19.41	83.3	41.34	84.5	.0470	.8081	19.14.9	D	7 12 ,,
16	20.316	19.71	84.3	41.15	84.9	.0519	.8060	19.13.4	D	8 12 ,,
17	19.904	20.08	85.5	40.58	85.3	.0579	.7997	19.10.3	L	9 12 ,,
18	18.464	20.23	86.5	40.13	86.1	.0622	.7948	19.07.8	L	10 12 ,,
19	16.543	20.39	87.4	39.81	87.0	.0630	.7913	19.06.3	L	11 12 ,,
20	14.897	20.35	88.2	39.64	87.8	.0624	.7894	19.05.6	L	Noon.
21	14.758	20.18	88.6	39.66	88.5	.0596	.7896	19.06.0	C	1 12 p. m.
22	15.377	19.96	88.9	39.58	89.2	.0561	.7887	19.06.2	C	2 12 ,,
23	17.160	19.88	89.0	39.59	89.7	.0546	.7888	19.06.3	C	3 12 ,,
APR. 13TH—Noon	18,052	19.97	89.8	39.42	90.8	.0563	.7870	19.05.5	D	4 12 ,,
1	18.189	19.69	88.7	39.44	89.8	.0516	.7872	19.06.0	D	5 12 ,,
2	17.641	19.56	87.8	39.38	89.2	.0495	.7865	19.06.1	D	6 12 ,,
3	17.915	19.38	87.0	39.71	88.6	.0475	.7902	19.07.8	D	7 12 ,,
4	17.778	19.43	86.7	39.84	88.1	.0473	.7916	19.08.5	D	8 12 ,,
5	18.464	19.41	86.5	40.02	87.3	.0470	.7936	19.09.3	D	9 12 ,,
6	18.532	19.41	86.1	40.45	86.5	.0470	.7983	19.11.1	L	10 12 ,,
7	18.464	19.49	85.9	40.68	86.0	.0473	.8008	19.12.1	L	11 12 ,,
8	18.670	19.45	85.7	40.87	85.8	.0479	.8029	19.12.8	L	Midnight.
9	18.738	19.44	85.5	41.15	85.8	.0475	.8060	19.14.0	C	1 12 a. m.
10	18.875	19.36	85.0	41.16	85.2	.0463	.8061	19.14.2	C	2 12 ,,
11	18.738	19.43	84.9	41.31	85.2	.0473	.8078	19.14.8	C	3 12 ,,
12	18.670	19.47	84.8	41.29	84.8	.0481	.8075	19.14.6	C	4 12 ,,
13	18.601	19.51	84.8	41.39	84.7	.0486	.8086	19.14.8	D	5 12 ,,
14	19.356	19.59	84.7	41.54	84.8	.0499	.8103	19.15.4	D	6 12 ,,
15	20.316	19.61	84.8	41.79	84.7	.0503	.8130	19.16.5	D	7 12 ,,
16	20.590	19.93	85.4	41.66	85.4	.0525	.8116	19.15.5	D	8 12 ,,
17	19.973	20.37	86.6	41.23	86.0	.0628	.8069	19.12.3	L	9 12 ,,
18	19.150	20.52	87.4	40.68	86.7	.0653	.8008	19.09.7	L	10 12 ,,
19	17.641	20.55	88.2	40.28	87.5	.0657	.7964	19.07.8	L	11 12 ,,
20	16.474	20.41	88.9	40.17	88.2	.0634	.7952	19.07.8	L	Noon.
21	16.406	20.22	89.3	40.14	88.8	.0604	.7949	19.08.1	C	1 12 p. m.
22	17.709	20.22	89.8	40.14	89.4	.0604	.7949	19.08.1	C	2 12 ,,
23	18.464	19.94	89.8	40.09	89.8	.0557	.7943	19.08.4	C	3 12 ,,
APR. 14TH—Noon	19.081	19.82	89.3	39.89	89.8	.0538	.7921	19.07.8	C	4 12 ,,
1	19.013	19.77	88.8	39.64	89.5	.0530	.7894	19.06.8	D	5 12 ,,
2	18.601	19.55	88.0	39.68	89.2	.0493	.7898	19.07.5	D	6 12 ,,
3	18.121	19.47	87.1	40.00	88.4	.0481	.7934	19.09.1	D	7 12 ,,
4	18.258	19.49	86.7	40.02	87.2	.0483	.7936	19.09.2	D	8 12 ,,
5	18.189	19.42	86.1	40.34	86.3	.0471	.7971	19.10.6	L	9 12 ,,
6	18.258	19.38	85.8	40.53	86.0	.0465	.7992	19.11.4	L	10 12 ,,
7	18.395	19.59	85.5	40.75	85.7	.0499	.8016	19.12.0	L	11 21 ,,
8	18.532	19.50	85.1	40.88	85.4	.0485	.8030	19.12.7	L	Midnight.
9	18.532	19.51	84.8	41.06	85.2	.0486	.8050	19.13.5	C	1 12 p. m.
10	18.327	19.57	84.6	41.15	85.1	.0497	.8060	19.13.7	C	2 12 ,,
11	18.601	19.57	84.5	41.27	85.1	.0497	.8073	19.14.2	C	3 12 ,,

On the 11th, at about 19h., Deflection Observations were taken.
On the 14th, at about 18h., Dip as obtained by Observation was 19°11'9.

DAILY OBSERVATIONS FROM 14TH TO 16TH APRIL 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	′							° ′		h. m.
Apr. 14th—12	18.875	19.55	84°4	41.33	84°6	8.0493	2.8080	19°14′6	C	4 12 a. m.
13	19.013	19.34	84.2	41.38	84.2	.0459	.8085	19.15.2	D	5 12 „
14	19.424	19.65	84.0	41.63	84.4	.0510	.8113	19.15.7	D	6 12 „
15	20.522	19.58	84.4	41.50	84.9	.0497	.8099	19.15.2	D	7 12 „
16	20.728	19.89	85.2	41.36	85.4	.0548	.8083	19.13.9	D	8 12 „
17	20.247	20.27	86.4	40.72	85.7	.0612	.8013	19.10.5	L	9 12 „
18	18.189	20.46	87.2	40.09	86.2	.0643	.7943	19.07.4	L	10 12 „
19	16.269	20.69	88.1	39.87	87.2	.0679	.7919	19.05.9	L	11 12 „
20	15.583	20.56	88.8	39.89	87.9	.0659	.7921	19.06.2	L	Noon.
21	15.994	20.23	89.2	39.85	88.4	.0604	.7917	19.06.9	C	1 12 p. m.
22	16.406	19.94	89.7	39.97	89.1	.0557	.7930	19.07.9	C	2 12 „
23	17.435	19.86	89.9	39.79	89.7	.0544	.7910	19.07.4	C	3 12 „
Apr. 15th—Noon	17.984	19.80	89.6	39.42	89.9	.0534	.7870	19.05.9	C	4 12 „
1	18.395	19.67	89.1	39.39	89.8	.0514	.7866	19.06.0	D	5 12 „
2	17.641	19.61	88.3	39.33	89.3	.0503	.7860	19.05.9	D	6 12 „
3	17.366	19.57	87.7	39.46	88.6	.0497	.7874	19.06.4	D	7 12 „
4	17.641	19.53	87.1	39.66	87.9	.0489	.7896	19.07.4	D	8 12 „
5	18.258	19.17	86.5	39.99	87.6	.0430	.7932	19.09.6	L	9 12 „
6	19.013	19.00	86.0	40.13	87.1	.0403	.7948	19.10.7	L	10 12 „
7	19.493	18.84	85.6	40.30	86.7	.0377	.7967	19.11.7	L	11 12 „
8	19.150	19.21	85.3	40.49	86.3	.0427	.7987	19.11.8	L	Midnight.
9	18.807	19.45	85.0	40.58	85.9	.0477	.7997	19.11.6	C	1 12 a. m.
10	19.013	19.42	84.8	40.77	85.5	.0473	.8018	19.12.5	C	2 12 „
11	19.013	19.37	84.6	40.85	85.1	.0465	.8027	19.12.9	C	3 12 „
12	18.807	19.28	84.3	40.87	85.0	.0438	.8029	19.13.3	C	4 12 „
13	19.218	19.30	84.0	41.05	84.9	.0453	.8049	19.13.9	D	5 12 „
14	19.836	19.30	84.0	41.14	84.7	.0453	.8059	19.14.3	D	6 12 „
15	20.316	19.31	84.0	41.20	85.0	.0454	.8066	19.14.5	D	7 12 „
16	20.179	19.60	85.0	40.92	85.7	.0502	.8035	19.12.8	D	8 12 „
17	19.561	19.99	86.3	40.53	85.9	.0565	.7992	19.10.1	L	9 12 „
18	18.670	20.15	86.9	40.21	86.3	.0592	.7957	19.18.6	L	10 12 „
19	17.023	20.08	87.3	40.01	87.0	.0579	.7935	19.07.9	L	11 12 „
20	16.406	19.93	87.7	39.98	87.5	.0555	.7931	19.07.9	L	Noon.
21	16.406	19.86	88.1	40.09	88.0	.0544	.7943	19.08.7	C	1 12 p. m.
22	17.294	19.86	88.5	40.16	88.5	.0544	.7951	19.09.0	C	2 12 „
23	18.395	19.82	88.6	40.01	89.1	.0538	.7935	19.08.4	C	3 12 „
Apr. 16th—Noon	19.081	19.72	88.3	39.79	89.6	.0522	.7910	19.07.6	C	4 12 „
1	18.807	19.69	87.7	39.53	89.4	.0516	.7882	19.06.4	D	5 12 „
2	18.601	19.49	86.7	39.51	88.5	.0483	.7880	19.07.0	D	6 12 „
3	18.258	19.40	86.0	39.73	87.8	.0469	.7904	19.08.0	D	7 12 „
4	18.464	19.36	85.8	40.02	87.2	.0463	.7936	19.09.4	D	8 12 „
5	18.327	19.37	85.4	40.30	86.7	.0465	.7967	19.10.5	L	9 12 „
6	18.464	19.26	85.0	40.45	86.2	.0436	.7983	19.11.5	L	10 12 „
7	18.601	19.33	84.8	40.70	85.9	.0457	.8011	19.12.3	L	11 12 „
8	18.670	19.36	84.5	40.87	85.5	.0463	.8029	19.13.0	L	Midnight.
9	18.807	19.32	84.3	41.01	85.3	.0457	.8045	19.13.7	C	1 12 a. m.
10	18.875	19.30	84.1	41.05	85.1	.0454	.8049	19.13.9	C	2 12 „
11	18.807	19.36	83.9	41.14	84.6	.0463	.8059	19.14.2	C	3 12 „
12	18.807	19.42	83.5	41.33	84.2	.0473	.8080	19.14.9	C	4 12 „
13	19.013	19.51	83.3	41.57	84.0	.0486	.8106	19.15.7	D	5 12 „
14	20.385	19.49	83.7	41.76	83.7	.0483	.8127	19.16.7	D	6 12 „
15	20.738	19.49	83.2	41.61	84.5	.0483	.8114	19.16.1	D	7 12 „
16	20.738	19.91	84.3	41.50	84.9	.0552	.8099	19.14.5	D	8 12 „
17	20.247	20.19	85.5	40.96	85.3	.0598	.8039	19.11.6	L	9 12 „
18	18.670	20.41	86.4	40.58	86.0	.0634	.7997	19.09.6	L	10 12 „
19	17.298	20.46	87.0	40.50	86.6	.0643	.7989	19.09.1	L	11 12 „
20	15.857	20.30	87.5	40.52	87.3	.0616	.7991	19.09.4	L	Noon.
21	17.160	20.08	88.0	40.58	87.8	.0579	.7997	19.10.3	C	1 12 p. m.
22	17.984	19.94	88.2	40.66	88.6	.0557	.8006	19.10.8	C	2 12 „
23	18.807	19.82	88.0	40.46	88.8	.0538	.7984	19.10.2	C	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 20TH APRIL 1856.

Date. Göttingen Mean Time, 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Apr. 17th-Noon	19°081	19.71	87°8	40.29	89°0	8.0518	2.7963	19°09′6	C	4 12 p. m.
1	19.013	19.48	87.1	40.16	88.7	.0481	.7951	19.09.8	D	5 12 „
2	18.327	19.46	86.8	40.14	88.1	.0479	.7949	19.09.7	D	6 12 „
3	17.984	19.49	86.0	40.33	87.7	.0483	.7970	19.10.5	D	7 12 „
4	18.124	19.43	85.9	40.62	87.2	.0473	.8002	19.11.8	D	8 12 „
5	18.532	19.40	85.6	40.76	86.7	.0469	.8017	19.12.5	L	9 12 „
6	18.738	19.44	85.4	40.91	86.4	.0475	.8034	19.13.0	L	10 12 „
7	18.875	19.43	85.2	41.14	86.2	.0473	.8059	19.14.1	L	11 12 „
8	18.875	19.42	85.0	41.20	86.0	.0473	.8066	19.14.3	L	Midnight.
9	18.944	19.49	84.6	41.42	85.6	.0483	.8090	19.15.2	C	1 12 a. m.
10	19.013	19.40	84.0	41.56	85.2	.0469	.8105	19.15.9	C	2 12 „
11	19.150	19.37	83.6	41.54	84.8	.0465	.8103	19.15.8	C	3 12 „
12	19.150	19.37	83.0	41.84	84.8	.0465	.8136	19.17.1	C	4 12 „
13	19.356	19.44	82.7	42.03	84.2	.0475	.8157	19.17.9	D	5 12 „
14	20.042	19.80	83.0	42.23	84.4	.0534	.8179	19.17.9	D	6 12 „
15	21.071	19.61	83.3	42.14	84.7	.0503	.8169	19.17.9	D	7 12 „
16	21.619	20.01	84.3	41.90	85.1	.0568	.8143	19.16.1	D	8 12 „
17	20.453	20.37	85.8	41.15	85.7	.0628	.8060	19.12.0	L	9 12 „
18	18.052	20.80	86.8	40.61	86.3	.0698	.8001	19.09.8	L	10 12 „
19	17.092	21.12	87.7	40.50	87.2	.0751	.7989	19.08.6	L	11 12 „
20	16.612	20.99	88.5	40.40	88.2	.0729	.7978	19.08.5	L	Noon.
21	16.474	20.58	88.9	40.46	88.8	.0650	.7984	19.08.7	C	1 12 p. m.
22	16.955	20.24	89.2	40.31	89.6	.0606	.7968	19.08.7	C	2 12 „
23	17.846	19.80	89.2	40.30	90.0	.0534	.7967	19.09.7	C	3 12 „
Apr. 18th-Noon	19.013	19.47	89.0	40.11	90.3	.0481	.7946	19.09.6	C	4 12 „
1	19.287	19.35	88.7	39.97	89.8	.0451	.7930	19.09.3	D	5 12 „
2	19.150	19.21	87.8	40.08	89.3	.0427	.7942	19.10.0	D	6 12 „
3	18.464	19.41	87.1	40.31	88.7	.0470	.7968	19.10.5	D	7 12 „
4	18.327	19.38	86.9	40.55	88.2	.0465	.7994	19.11.5	D	8 12 „
5	18.807	19.20	86.5	40.91	87.6	.0426	.8034	19.13.6	L	9 12 „
6	18.944	19.14	86.3	41.10	87.2	.0426	.8055	19.14.5	L	10 12 „
7	19.287	19.12	85.9	41.21	86.9	.0424	.8067	19.15.0	L	11 12 „
8	19.287	19.21	85.7	41.42	86.7	.0427	.8090	19.15.8	L	Midnight.
9	19.836	19.20	85.1	41.60	86.7	.0426	.8110	19.16.6	C	1 12 a. m.
10	19.424	19.31	84.8	41.51	86.2	.0454	.8100	19.15.9	C	2 12 „
11	19.630	19.32	84.5	41.66	86.0	.0457	.8116	19.16.4	C	3 12 „
12	19.836	19.29	84.0	41.97	85.5	.0440	.8150	19.18.1	C	4 12 „
13	19.699	19.29	83.7	42.16	85.3	.0440	.8171	19.18.8	D	5 12 „
14	20.796	19.36	83.3	42.25	85.0	.0463	.8181	19.18.9	D	6 12 „
15	21.002	19.58	83.9	42.16	85.2	.0497	.8171	19.18.0	D	7 12 „
16	20.385	20.08	84.9	42.18	86.0	.0579	.8173	19.17.1	D	8 12 „
17	19.699	20.50	86.5	41.63	86.0	.0649	.8113	19.13.8	L	9 12 „
18	17.915	20.60	87.5	41.33	86.9	.0665	.8080	19.12.3	L	10 12 „
19	17.298	20.57	88.6	41.25	87.8	.0661	.8071	19.12.0	L	11 12 „
20	17.092	20.57	89.7	41.05	89.0	.0661	.8049	19.11.2	L	Noon.
21	17.778	20.50	90.2	40.99	89.8	.0649	.8042	19.11.0	C	1 12 p. m.
22	18.258	20.42	90.6	40.72	90.6	.0637	.8013	19.10.1	C	2 12 „
23	18.327	20.18	90.7	40.53	91.0	.0596	.7992	19.09.7	C	3 12 „
Apr. 20th-Noon	19.356	19.87	90.0	40.93	91.0	.0546	.8036	19.12.1	C	4 12 „
1	19.424	19.83	89.5	40.81	90.3	.0538	.8023	19.11.8	C	5 12 „
2	18.601	19.67	88.4	40.75	89.6	.0514	.8016	19.11.9	C	6 12 „
3	18.258	19.54	87.7	41.01	88.9	.0491	.8045	19.13.3	C	7 12 „
4	18.464	19.57	87.2	41.26	88.7	.0497	.8072	19.14.1	C	8 12 „
5	18.738	19.58	86.9	41.55	88.2	.0497	.8104	19.15.4	L	9 12 „
6	18.738	19.61	86.7	41.66	88.0	.0503	.8116	19.15.9	L	10 12 „
7	19.013	19.66	86.5	41.83	87.6	.0512	.8135	19.16.6	L	11 12 „
8	19.081	19.63	86.3	41.94	87.3	.0506	.8147	19.17.1	L	Midnight.
9	19.013	19.57	86.1	42.01	87.0	.0497	.8155	19.17.5	D	1 12 a. m.
10	19.287	19.64	85.7	42.09	86.8	.0508	.8163	19.17.6	D	2 12 „
11	18.670	19.64	85.7	42.20	86.7	.0508	.8176	19.18.1	D	3 12 „

On the 17th, at about 19h., Dip as obtained by Observation was 19°08′8.
On the 18th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 20TH TO 22ND APRIL 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
APR. 20TH—12	19'356	19.56	85°3	42.35	86°5	8.0495	2.8192	19°18'8	D	4 12 a. m.
13	19.013	19.62	85.1	42.39	86.3	.0506	.8196	19.18.9	D	5 12 „
14	19.356	19.74	85.2	42.43	86.1	.0524	.8201	19.18.9	D	6 12 „
15	21.071	19.79	85.7	42.67	86.4	.0532	.8227	19.19.9	D	7 12 „
16	21.758	19.73	86.4	42.50	86.7	.0524	.8209	19.19.2	D	8 12 „
17	21.139	20.16	87.4	41.71	87.1	.0594	.8122	19.14.9	L	9 12 „
18	18.738	20.48	88.2	41.23	87.8	.0645	.8069	19.12.0	L	10 12 „
19	17.641	20.62	88.9	41.30	88.2	.0669	.8077	19.12.2	L	11 12 „
20	17.092	20.61	89.4	41.45	88.9	.0666	.8093	19.12.8	L	Noon.
21	17.641	20.39	89.7	41.57	89.1	.0630	.8106	19.13.8	C	1 12 p. m.
22	18.395	20.28	89.9	41.29	89.6	.0612	.8075	19.12.9	C	2 12 „
23	18.327	20.18	89.9	41.14	90.0	.0596	.8059	19.12.4	C	3 12 „
APR. 21ST—Noon	18.601	20.09	89.4	41.00	90.0	.0581	.8044	19.12.1	C	4 12 „
1	18.601	19.93	88.9	40.89	89.6	.0555	.8031	19.11.8	D	5 12 „
2	18.121	19.76	87.8	41.02	89.0	.0528	.8046	19.12.8	D	6 12 „
3	18.327	19.60	87.0	41.30	88.2	.0502	.8077	19.14.4	D	7 12 „
4	17.984	19.74	86.7	41.58	87.7	.0524	.8107	19.15.3	D	8 12 „
5	18.052	19.75	86.4	41.77	87.3	.0526	.8128	19.16.0	L	9 12 „
6	18.464	19.61	86.1	41.96	87.1	.0505	.8149	19.17.1	L	10 12 „
7	18.807	19.57	85.9	42.18	86.8	.0497	.8173	19.18.1	L	11 12 „
8	19.150	19.55	85.6	42.30	86.6	.0493	.8187	19.18.8	L	Midnight.
9	19.836	19.55	85.2	42 35	86.5	.0493	.8192	19.18.9	C	1 12 a. m.
10	19.356	19.65	85.1	42.40	86.5	.0510	.8198	19.19.0	C	2 12 „
11	19.081	19.72	84.9	42.41	86.4	.0522	.8199	19.18.8	C	3 12 „
12	19.013	19.76	84.8	42.48	86.1	.0528	.8206	19.19.0	C	4 12 „
13	18.875	19.83	84.4	42.52	85.7	.0538	.8211	19.19.1	D	5 12 „
14	19.356	19.36	84.3	42.57	85.5	.0463	.8216	19.20.3	D	6 12 „
15	20.042	19.59	84.9	42.68	85.9	.0499	.8228	19.20.3	D	7 12 „
16	20.042	19.86	85.8	42.49	86.2	.0544	.8207	19.19.0	D	8 12 „
17	19.218	20.36	86.8	42.10	86.5	.0626	.8165	19.16.1	L	9 12 „
18	18.601	20.65	87.7	41.93	87.1	.0663	.8146	19.15.0	L	10 12 „
19	17.915	20.67	88.2	41.81	87.7	.0667	.8133	19.14.4	L	11 12 „
20	17.366	20.67	88.6	41.60	88.2	.0667	.8110	19.13.5	L	Noon.
21	17.160	20.43	89.0	41.55	88.9	.0637	.8104	19.13.6	C	1 12 p. m.
22	17.366	20.19	89.4	41.28	89.3	.0598	.8074	19.12.9	C	2 12 „
23	17.641	20.11	89.5	41.14	89.7	.0585	.8059	19.12.5	C	3 12 „
APR. 22ND—Noon	17.641	19.91	89.0	41.00	89.9	.0562	.8044	19.12.3	C	4 12 „
1	17.915	19.83	88.6	40.94	89.6	.0538	.8037	19.12.4	L	5 12 „
2	17.984	19.56	87.6	40.95	89.0	.0495	.8038	19.12.9	L	6 12 „
3	17.915	19.54	86.9	41.17	88.2	.0491	.8062	19.13.8	L	7 12 „
4	18.121	19.50	86.4	41.35	87.6	.0485	.8082	19.14.6	L	8 12 „
5	18.532	19.36	86.3	41.67	87.4	.0463	.8117	19.16.5	D	9 12 „
6	18.875	19.40	86.0	41.87	87.3	.0469	.8139	19.17.2	D	10 12 „
7	19.150	19.16	86.8	41.92	87.2	.0430	.8145	19.18.0	D	11 12 „
8	19.630	19.06	85.3	41.95	86.7	.0413	.8148	19.18.4	D	Midnight.
9	19.081	19.20	85.0	42.03	86.4	.0426	.8157	19.18.5	C	1 12 a. m.
10	21.276	19.21	84.9	42.11	86.3	.0427	.8166	19.18.7	C	2 12 „
11	20.042	19.43	84.9	42.18	86.0	.0473	.8173	19.18.5	C	3 12 „
12	19.356	19.58	84.6	42.07	85.8	.0497	.8161	19.17.6	C	4 12 „
13	18.327	19.76	84.3	42.12	85.5	.0528	.8167	19.17.5	D	5 12 „
14	19.699	18.85	84.0	42.16	85.2	.0379	.8171	19.19.6	D	6 12 „
15	20.042	19.26	84.8	42.38	85.9	.0436	.8195	19.19.8	D	7 12 „
16	20.659	19.14	85.7	42.29	86.3	.0426	.8185	19.19.5	D	8 12 „
17	20.042	19.21	86.4	41.58	86.6	.0427	.8217	19.20.8	L	9 12 „
18	18.601	19.56	87.2	41.21	87.1	.0495	.8177	19.18.3	L	10 12 „
19	17.503	19.79	87.7	41.08	87.6	.0532	.8052	19.13.0	L	11 12 „
20	16.886	19.74	88.3	40.97	88.3	.0524	.8040	19.12.7	L	Noon.
21	16.543	19.73	88.6	40.84	88.8	.0522	.8026	19.12.1	C	1 12 p. m.
22	16.817	19.62	88.8	40.85	89.1	.0506	.8027	19.12.4	C	2 12 „
23	17.572	19.30	88.8	40.78	89.4	.0453	.8019	19.12.7	C	3 12 „

On the 21st, at about 18h., Dip as obtained by Observation was 19°04'4.

DAILY OBSERVATIONS FROM 23RD TO 25TH APRIL 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
APR. 23RD-Noon	17·984	19.21	88°5	40.64	89°6	8.0427	2.8004	19°12′4	C	4 12 p. m.
1	18.121	18.93	87.9	40.58	89.2	.0391	.7997	19.12.7	D	5 12 „
2	18.395	18.91	87.0	40.75	88.4	.0388	.8016	19.13.4	D	6 12 „
3	18.121	18.94	86.2	40.93	87.9	.0393	.8036	19.14.2	D	7 12 „
4	18.208	18.97	85.9	40.99	86.4	.0399	.8042	19.14.3	D	8 12 „
5	18.258	18.81	85.4	41.00	86.8	.0372	.8088	19.16.5	L	9 12 „
6	18.464	19.02	85.3	41.60	86.5	.0407	.8110	19.16.9	L	10 12 „
7	18.601	19.17	85.2	41.71	86.2	.0432	.8122	19.17.0	L	11 12 „
8	18.738	19.23	85.0	41.78	86.0	.0432	.8129	19.17.3	L	Midnight.
9	18.738	19.23	85.0	41.88	86.0	.0432	.8140	19.17.8	C	1 12 a. m.
10	18.944	19.10	84.8	42.05	85.8	.0420	.8159	19.18.6	C	2 12 „
11	18.944	19.23	84.8	42.11	85.8	.0432	.8166	19.18.7	C	3 12 „
12	18.738	19.24	84.7	42.09	85.7	.0432	.8163	19.18.6	C	4 12 „
13	18.601	19.27	84.9	42.17	85.6	.0438	.8172	19.18.8	D	5 12 „
14	18.807	19.17	84.7	42.25	85.9	.0432	.8181	19.19.3	D	6 12 „
15	19.699	19.21	85.0	42.19	86.0	.0427	.8174	19.19.0	D	7 12 „
16	20.316	19.61	85.6	42.15	86.7	.0503	.8170	19.18.0	D	8 12 „
17	20.316	19.97	86.7	41.90	86.8	.0563	.8121	19.15.3	L	9 12 „
18	19.287	20.03	87.5	41.24	87.4	.0570	.8070	19.13.2	L	10 12 „
19	18.532	20.09	88.2	40.94	88.0	.0581	.8037	19.11.9	L	11 12 „
20	17.229	20.17	88.6	40.64	88.6	.0596	.8004	19.10.2	L	Noon.
21	16.955	20.02	88.9	40.62	88.9	.0571	.8002	19.10.5	C	1 12 p. m.
22	17.160	19.84	89.2	40.50	89.2	.0540	.7989	19.10.4	C	2 12 „
23	17.503	19.71	89.4	40.28	89.5	.0519	.7964	19.09.9	C	3 12 „
APR. 24TH-Noon	18.395	19.55	89.0	40.03	89.1	.0493	.7937	19.09.1	C	4 12 „
1	18.670	19.29	88.2	39.86	88.7	.0440	.7918	19.09.0	D	5 12 „
2	18.944	19.23	87.4	40.15	88.4	.0430	.7950	19.10.4	D	6 12 „
3	18.327	19.24	87.0	40.35	88.2	.0432	.7972	19.11.1	D	7 12 „
4	18.052	19.28	86.4	40.54	88.0	.0438	.7993	19.11.9	D	8 12 „
5	18.464	19.26	86.1	40.74	87.2	.0436	.8015	19.12.8	L	9 12 „
6	18.189	19.37	85.7	41.00	87.2	.0465	.8044	19.13.5	L	10 12 „
7	18.464	19.34	85.5	41.23	87.0	.0459	.8069	19.14.5	L	11 12 „
8	18.875	19.26	85.5	41.21	86.9	.0436	.8067	19.14.8	L	Midnight.
9	19.767	19.26	85.4	41.38	86.6	.0436	.8085	19.15.5	C	1 12 a. m.
10	18.944	19.37	85.2	41.55	86.2	.0465	.8104	19.15.8	C	2 12 „
11	18.670	19.32	85.0	41.43	86.0	.0457	.8091	19.15.4	C	3 12 „
12	18.875	19.53	85.0	41.53	86.0	.0489	.8102	19.15.4	C	4 12 „
13	18.807	19.46	84.8	41.58	86.0	.0479	.8107	19.15.9	D	5 12 „
14	19.356	19.40	84.5	41.67	85.8	.0469	.8117	19.16.4	D	6 12 „
15	20.179	19.60	85.0	41.78	86.1	.0502	.8129	19.16.4	D	7 12 „
16	20.179	19.92	86.1	41.55	86.7	.0555	.8104	19.14.6	D	8 12 „
17	19.699	20.20	87.0	41.07	87.2	.0600	.8051	19.12.1	L	9 12 „
18	18.944	20.38	88.0	40.63	87.8	.0628	.8003	19.09.8	L	10 12 „
19	18.327	20.52	88.9	40.30	88.4	.0653	.7967	19.08.1	L	11 12 „
20	17.366	20.47	89.4	39.92	89.1	.0645	.7925	19.06.5	L	Noon.
21	16.955	20.33	89.6	39.99	89.6	.0620	.7932	19.07.1	C	1 12 p. m.
22	17.366	20.17	89.8	39.92	90.0	.0596	.7925	19.07.2	C	2 12 „
23	17.778	20.01	89.9	39.81	90.4	.0568	.7913	19.07.1	C	3 12 „
APR. 25TH-Noon	18.258	19.85	89.8	39.66	90.5	.0542	.7896	19.06.8	C	4 12 „
1	18.738	19.60	89.0	39.60	89.9	.0502	.7890	19.07.1	D	5 12 „
2	18.738	19.55	88.5	39.79	89.7	.0493	.7910	19.08.0	D	6 12 „
3	18.532	19.43	88.1	40.01	88.6	.0473	.7935	19.09.3	D	7 12 „
4	18.395	19.47	87.0	40.15	88.2	.0481	.7950	19.09.8	D	8 12 „
5	18.258	19.33	86.6	40.38	87.8	.0457	.7975	19.10.9	L	9 12 „
6	18.327	19.40	86.3	40.62	87.3	.0469	.8002	19.11.8	L	10 12 „
7	18.327	19.50	86.0	40.78	87.0	.0485	.8019	19.12.2	L	11 12 „
8	18.601	19.45	85.6	41.02	86.7	.0477	.8046	19.13.5	L	Midnight.
9	18.670	19.46	85.4	41.10	86.5	.0479	.8055	19.13.9	C	1 12 a. m.
10	18.601	19.39	85.2	41.23	86.2	.0467	.8069	19.14.4	C	2 12 „
11	18.941	19.40	85.2	41.27	86.2	.0469	.8073	19.14.6	C	3 12 „

On the 24th, at about 18h., Dip as obtained by Observation was 19°08′8.
On the 25th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 28TH APRIL 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Apr. 25th—12	18'875	19.46	85°1	41.24	86°1	8.0479	2.8070	19°14'4	C	4 12 a. m.
13	18.327	19.44	85.2	41.26	85.2	.0475	.8072	19.14.4	D	5 12 „
14	18.944	19.47	85.1	41.44	86.3	.0481	.8092	19.15.2	D	6 12 „
15	19.767	19.49	85.4	41.54	86.4	.0483	.8103	19.15.7	D	7 12 „
16	20.385	19.81	86.3	41.36	86.9	.0535	.8083	19.14.1	D	8 12 „
17	20.247	20.05	87°1	40.94	87.2	.0575	.8037	19.11.9	L	9 12 „
18	18.807	20.31	87.9	40.50	87.7	.0617	.7989	19.09.3	L	10 12 „
19	17.366	20.44	88.6	40.26	88.1	.0639	.7960	19.08.0	L	11 12 „
20	16.131	20.52	89.3	40.17	89.0	.0653	.7952	19.07.5	L	Noon.
21	16.680	20.20	89.7	40.04	89.6	.0600	.7938	19.07.7	C	1 12 p. m.
22	16.749	20.03	90.0	39.75	90.0	.0571	.7906	19.06.8	C	2 12 „
23	17.023	19.97	90.2	39.69	90.3	.0563	.7899	19.06.6	C	3 12 „
Apr. 27th—Noon	18.395	19.80	90.0	39.62	90.8	.0534	.7892	19.06.7	G R	4 12 „
1	18.601	19.71	89.5	39.51	90.3	.0519	.7880	19.06.4	D	5 12 „
2	18.738	19.49	88.2	39.54	89.7	.0483	.7883	19.07.1	D	6 12 „
3	18.676	19.37	87.1	39.86	88.8	.0467	.7918	19.08.6	D	7 12 „
4	18.532	19.40	87.0	40.00	88.3	.0469	.7934	19.09.2	D	8 12 „
5	18.532	19.40	86.7	40.24	88.1	.0469	.7960	19.10.2	L	9 12 „
6	18.532	19.42	86.4	40.48	87.8	.0471	.7986	19.11.2	L	10 12 „
7	18.601	19.49	86.2	40.89	87.5	.0484	.8031	19.12.9	L	11 12 „
8	18.601	19.60	86.0	40.82	87.3	.0502	.8024	19.12.3	L	Midnight.
9	18.875	19.65	85.9	40.84	87.2	.0510	.8026	19.12.3	C	1 12 a. m.
10	19.081	19.57	85.6	40.98	87.0	.0497	.8041	19.13.0	C	2 12 „
11	19.218	19.59	85.2	41.15	86.8	.0499	.8060	19.13.7	C	3 12 „
12	19.218	19.65	85.0	41.15	86.5	.0510	.8060	19.13.6	C	4 12 „
13	19.013	19.70	85.0	40.89	86.3	.0518	.8031	19.12.3	D	5 12 „
14	19.493	19.73	84.9	41.28	86.1	.0522	.8074	19.13.9	D	6 12 „
15	20.110	19.74	85.2	41.45	86.5	.0524	.8093	19.14.7	D	7 12 „
16	20.316	19.88	85.9	41.30	86.8	.0546	.8077	19.13.7	D	8 12 „
17	20.042	20.14	86.7	40.93	87.0	.0590	.8036	19.11.6	L	9 12 „
18	19.150	20.45	87.7	40.61	87.5	.0641	.8001	19.09.6	L	10 12 „
19	18.532	20.59	88.4	40.24	88.0	.0663	.7960	19.07.7	L	11 12 „
20	17.846	20.43	89.0	40.21	88.8	.0637	.7957	19.08.0	L	Noon.
21	17.778	20.27	89.2	39.98	89.2	.0612	.7931	19.07.3	C	1 12 p. m.
22	17.709	20.18	89.4	39.83	89.7	.0596	.7915	19.06.8	C	2 12 „
23	18.052	19.95	89.2	39.80	90.0	.0569	.7912	19.07.0	C	3 12 „
Apr. 28th—Noon	18.532	19.79	88.9	39.70	90.0	.0532	.7901	19.07.1	C	4 12 „
1	18.601	19.61	88.3	39.69	89.6	.0503	.7899	19.07.4	D	5 12 „
2	18.738	19.53	87.4	39.86	88.7	.0489	.7918	19.08.3	D	6 12 „
3	18.944	19.53	86.9	40.15	88.2	.0489	.7950	19.09.6	D	7 12 „
4	18.327	19.54	86.7	40.33	87.8	.0491	.7970	19.10.3	D	8 12 „
5	18.121	19.38	86.4	40.45	87.8	.0475	.7983	19.11.0	L	9 12 „
6	18.395	19.38	86.2	40.57	87.2	.0475	.7996	19.11.5	L	10 12 „
7	19.013	19.15	85.9	40.86	87.0	.0428	.8028	19.13.4	L	11 12 „
8	19.150	19.11	85.8	41.02	86.8	.0421	.8046	19.14.2	L	Midnight.
9	19.013	19.26	85.8	41.05	86.8	.0436	.8049	19.14.1	C	1 12 a. m.
10	18.807	19.29	85.8	41.16	86.8	.0440	.8061	19.14.5	C	2 12 „
11	19.081	19.34	85.7	41.16	86.7	.0459	.8061	19.14.2	C	3 12 „
12	19.013	19.43	85.6	41.15	86.6	.0473	.8060	19.14.1	C	4 12 „
13	18.670	19.49	85.7	41.15	86.5	.0483	.8060	19.14.0	D	5 12 „
14	19.699	19.69	85.7	41.30	86.7	.0516	.8077	19.14.1	D	6 12 „
15	20.042	19.67	85.8	41.30	86.8	.0514	.8077	19.14.3	D	7 12 „
16	19.973	20.03	86.7	41.01	86.9	.0571	.8445	19.12.3	D	8 12 „
17	19.287	20.31	87.5	40.70	87.2	.0617	.8011	19.10.2	L	9 12 „
18	18.670	20.42	88.3	40.34	87.9	.0637	.7971	19.08.4	L	10 12 „
19	17.709	20.46	89.0	40.06	88.6	.0643	.7940	19.07.3	L	11 12 „
20	17.160	20.37	89.5	39.96	89.2	.0628	.7929	19.06.9	L	Noon.
21	16.749	20.27	89.8	39.91	89.6	.0612	.7924	19.07.0	C	1 12 p. m.
22	17.023	20.15	90.0	39.68	90.0	.0592	.7898	19.06.2	C	2 12 „
23	17.435	19.95	89.9	39.65	90.2	.0569	.7895	19.06.4	C	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°11'9.

DAILY OBSERVATIONS FROM 29TH APRIL TO 1ST MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	′									h. m.
APR. 29TH-Noon	18·052	19.88	89°6	39.61	90°4	8.0546	2.7891	19°06′4	C	4 12 p. m.
1	18.052	19.63	88.9	39.70	90.0	.0506	7901	19.07.4	D	5 12 „
2	18.327	19.53	88.1	39.79	89.6	.0489	.7910	19.08.0	D	6 12 „
3	18.327	19.43	87.7	39·92	88.9	.0459	.7925	19.09·0	D	7 12 „
4	17.984	19.25	87.0	40.15	88.2	.0434	.7950	19.10.4	D	8 12 „
5	18.189	19.40	86.6	40.39	87.9	.0469	.7976	19.10.8	L	9 12 „
6	18.498	19.60	85.9	40.53	87.6	.0502	.7992	19.11.0	L	10 12 „
7	18.670	19.62	85.5	40.72	87.2	.0506	·8013	19.11.8	L	11 12 „
8	18.395	19.72	85.4	40.73	87.0	.0522	·8014	19.12.0	L	Midnight.
9	18.601	19.79	86.2	40.95	87.0	.0532	.8038	19.12.5	C	1 12 a. m.
10	18.807	19.80	86.0	41.01	86.9	.0534	.8045	19.12.8	C	2 12 „
11	18.601	19.90	85.8	41.00	86.8	.0551	.8044	19.12.4	C	3 12 „
12	18.532	19.86	85.8	41.08	86.8	.0544	·8052	19.12.9	C	4 12 „
13	18.395	19.96	85.8	41.10	86.7	.0561	.8055	19.12.8	D	5 12 „
14	19.356	19.94	85.7	41.20	86.8	.0557	.8066	19.13.1	D	6 12 „
15	19.424	19.93	85.9	41.31	86.9	.0555	.8078	19.13.7	D	7 12 „
16	19.699	20.21	86.8	41.11	87.1	.0601	.8056	19.12.3	D	8 12 „
17	19.287	20.46	87.8	40.74	87.4	.0643	.8015	19.10.2	L	9 12 „
18	18.738	20.46	88.8	40.40	88.2	.0643	.7978	19·08.7	L	10 12 „
19	18.327	20.03	89.9	40.16	89.2	.0571	.7951	19.08.6	L	11 12 „
20	17.298	20.22	90.3	39.90	90.0	.0604	.7923	19·07.1	L	Noon.
21	17.778	19.42	90.6	39.95	90.2	.0473	.7928	19.09.0	C	1 12 p. m.
22	17.984	19.50	90.6	39.82	90.6	.0485	.7914	19.08.1	C	2 12 „
23	18.395	19.41	90.3	39.72	90.7	.0470	.7903	19.08.0	C	3 12 „
APR. 30TH-Noon	18.189	19.48	90.0	39.60	90.6	.0481	.7890	19.07.4	C	4 12 „
1	18.395	19.25	89.2	39.57	90.5	.0434	.7886	19.07.8	D	5 12 „
2	18.189	19.21	88.5	39.69	89.8	.0427	.7899	19.08.3	D	6 12 „
3	18.258	19.03	87.9	39.97	89.0	.0407	.7930	19.09.9	D	7 12 „
4	18.327	19.19	87.7	40.27	88.9	.0434	·7963	19.10.8	D	8 12 „
5	18.327	19.28	87.3	40.35	88.2	.0438	.7972	19.11.0	L	9 12 „
6	18.395	19.12	86.8	40.64	87.9	.0424	.8004	19.12.5	L	10 12 „
7	18.532	19.38	86.7	40.73	87.7	.0465	.8014	19.12.3	L	11 12 „
8	19.081	19.33	86.6	40.94	87.4	.0457	·8037	19.13.4	L	Midnight.
9	19.218	19.34	86.6	41.04	87.4	.0459	.8048	19.13.8	C	1 12 a. m.
10	18.944	19.40	86.5	41.06	87.2	.0469	.8050	19.13.8	C	2 12 „
11	18.944	19.46	86.4	40.96	87.0	.0479	.8039	19.13.2	C	3 12 „
12	18.738	19.49	86.2	41.03	86.9	.0483	.8047	19·13.6	C	4 12 „
13	19.013	19.42	86.0	41.15	86.8	.0473	.8060	19.14.1	D	5 12 „
14	20.042	19.38	85.9	41.21	86.9	.0465	.8067	19.14.4	D	6 12 „
15	20.110	19.35	86.0	41.25	86.7	.0461	.8071	19.14.6	D	7 12 „
16	19.767	19.63	86.9	41.06	87.1	.0506	.8050	19.13.3	D	8 12 „
17	19.287	20.19	87.8	40.67	87.6	.0598	.8007	19.10.4	L	9 12 „
18	18.601	20.25	88.8	40.39	88.2	.0608	.7976	19.09.0	L	10 12 „
19	17.572	20.31	89.5	40.22	89.0	.0617	.7958	19.08.2	L	11 12 „
20	17.366	20.26	90.2	40.02	89.7	.0610	.7936	19·07.5	L	Noon.
21	17.366	20.20	90.8	39.85	90.2	.0600	.7917	19.06.9	C	1 12 p. m.
22	17.915	20.00	91.0	39.60	90.9	.0569	.7890	19.06.2	C	2 12 „
23	18.189	19.87	90.9	39.48	90.9	.0554	.7877	19.05.9	C	3 12 „
MAY 1ST-Noon	18.395	19.68	90.4	39.43	90.9	.0514	.7871	19.06.2	C	4 12 „
1	18.875	19.37	89.6	39.47	90.7	.0465	.7875	19.06.9	D	5 12 „
2	18.601	19.19	88.9	39.61	90.2	.0434	.7891	19.08.0	D	6 12 „
3	18.327	19.27	88.1	39.68	89.4	.0438	.7898	19.08.2	D	7 12 „
4	18.601	19.31	87.8	39.97	89.1	.0454	.7930	19.09.3	D	8 12 „
5	18.464	19.35	87.4	40.24	88.5	.0461	.7960	19.10.3	L	9 12 „
6	18.601	19.42	87.3	40.39	88.3	.0473	.7976	19.10.8	L	10 12 „
7	18.944	19.44	87.1	40.56	88.0	.0475	.7995	19.11.5	L	11 12 „
8	18.944	19.47	87.0	40.62	87.9	.0481	.8002	19.11.7	L	Midnight.
9	19.081	19.47	87.0	40.74	87.9	.0481	.8015	19·12.3	C	1 12 a. m.
10	19.013	19.49	86.9	40.78	87.9	.0483	.8019	19.12.4	C	2 12 „
11	19.081	19.52	86.9	40.87	87.6	.0489	.8029	19.12.6	C	3 12 „

On the 1st, at about 19h., Dip as obtained by Observation was 19°21′2.

DAILY OBSERVATIONS FROM 1ST TO 4TH MAY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
May 1st—12	18·944	19.51	86·8	40.93	87·6	8.0486	2.8036	19°12′9	C	4 12 a. m.
13	19.013	19.37	86.1	41.12	87.4	.0465	.8057	19.14.1	D	5 12 ,,
14	19.699	19.33	86.4	41.23	87.5	.0457	.8069	19.14.5	D	6 12 ,,
15	20.522	19.50	86.8	41.19	87.9	.0485	.8060	19.13.8	D	7 12 ,,
16	20.385	19.75	87.5	40.75	88.4	.0526	.8016	19.11.6	D	8 12 ,,
17	19.630	19.96	88·4	40.47	88.0	.0561	.7985	19.10.0	L	9 12 ,,
18	18.327	20.14	89.2	40.24	88.8	.0590	.7960	19.08.6	L	10 12 ,,
19	17.366	20.23	89.8	40.07	89.1	.0606	.7941	19.07.7	L	11 12 ,,
20	16.680	20.16	90.2	39.89	89.7	.0594	.7921	19.07.1	L	Noon.
21	16.749	20.10	90.6	39.71	90.2	.0584	.7902	19.06.5	C	1 12 p. m.
22	17.709	20.03	91.0	39.82	90.8	.0571	.7914	19.07.1	C	2 12 ,,
23	18.327	19.90	90.9	39.55	91.1	.0551	.7884	19.06.1	C	3 12 ,,
May 2nd—Noon	18.464	19.72	90.5	39.48	91.0	.0522	.7876	19.06.2	C	4 12 ,,
1	18.327	19.51	89.8	39.36	90.4	.0486	.7863	19.06.1	D	5 12 ,,
2	18.327	19.46	89.0	39.40	90.1	.0479	.7868	19.06.5	D	6 12 ,,
3	18.327	19.44	88.7	39.64	89.7	.0475	.7894	19.07.5	D	7 12 ,,
4	18.327	19.42	88.1	39.88	89.2	.0473	.7920	19.08.7	D	8 12 ,,
5	18.464	19.46	87.9	40.06	88.8	.0479	.7940	19.09.4	L	9 12 ,,
6	18.670	19.45	87.5	40.40	88.2	.0477	.7978	19.10.8	L	10 12 ,,
7	18.807	19.50	87.4	40.60	88.2	.0485	.8000	19.11.5	L	11 12 ,,
8	18.875	19.49	87.3	40.72	88.0	.0483	.8013	19.12.2	L	Midnight.
9	18.944	19.57	87.3	40.74	88.0	.0497	.8015	19.12.0	C	1 12 a. m.
10	19.424	19.49	87.2	40.85	87.8	.0483	.8027	19.12.8	C	2 12 ,,
11	19.356	19.47	87.0	41.01	87.5	.0481	.8045	19.13.5	C	3 12 ,,
12	19.150	19.53	86.9	41.00	87.3	.0489	.8044	19.13.2	C	4 12 ,,
13	19.218	19.49	86.7	41.02	87.2	.0483	.8046	19.13.5	D	5 12 ,,
14	20.110	19.49	86.7	41.22	87.2	.0483	.8068	19.14.3	D	6 12 ,,
15	20.385	19.57	86.7	41.43	87.3	.0497	.8058	19.13.7	D	7 12 ,,
16	20.247	19.77	87.3	40.88	87.7	.0530	.8030	19.12.2	D	8 12 ,,
17		Lost					Lost		L	9 12 ,,
18		Lost					Lost		L	10 12 ,,
19	17.572	20.20	90.0	40.17	89.5	.0600	.7952	19.08.2	L	11 12 ,,
20	17.298	20.10	90.3	39.94	89.8	.0584	.7927	19.07.4	L	Noon.
21	16.955	20.10	90.5	39.93	90.1	.0584	.7926	19.07.5	C	1 12 p. m.
22	17.572	19.99	90.7	39.82	90.5	.0565	.7914	19.07.1	C	2 12 ,,
23	18.189	19.92	90.6	39.67	90.7	.0555	.7897	19.06.6	C	3 12 ,,
May 4th—Noon	18.875	19.89	90.4	39.54	91.3	.0548	.7883	19.06.1	D	4 12 ,,
1	18.670	19.85	90.0	39.52	90.8	.0542	.7881	19.06.2	D	5 12 ,,
2	18.052	19.61	89.1	39.60	89.9	.0503	.7890	19.07.1	D	6 12 ,,
3	17.984	19.59	88.2	39.73	89.4	.0499	.7904	19.07.6	D	7 12 ,,
4	17.984	19.56	87.8	40.07	88.9	.0495	.7941	19.09.1	D	8 12 ,,
5	18.052	19.62	87.3	40.31	88.4	.0506	.7968	19.10.0	L	9 12 ,,
6	18.327	19.50	87.0	40.49	88.0	.0485	.7987	19.11.0	L	10 12 ,,
7	18.944	19.47	87.0	40.76	88.0	.0481	.8017	19.12.4	L	11 12 ,,
8	19.013	19.82	86.9	40.74	87.9	.0538	.8015	19.11.6	L	Midnight.
9	18.875	19.68	86.9	40.67	87.9	.0514	.8007	19.11.6	C	1 12 a. m.
10	18.944	19.73	86.8	40.75	87.8	.0522	.8016	19.11.7	C	2 12 ,,
11	18.944	19.95	86.7	40.93	87.8	.0526	.8036	19.12.4	C	3 12 ,,
12	19.081	19.84	86.7	40.98	87.6	.0540	.8041	19.12.5	C	4 12 ,,
13	19.699	19.75	86.5	41.02	87.5	.0526	.8046	19.12.8	D	5 12 ,,
14	20.110	19.82	86.4	41.12	87.3	.0538	.8057	19.13.2	D	6 12 ,,
15	20.247	19.64	86.2	41.03	87.5	.0508	.8047	19.13.2	D	7 12 ,,
16	20.385	20.19	87.2	40.72	87.3	.0598	.8013	19.10.6	D	8 12 ,,
17	19.218	20.54	88.2	40.49	88.0	.0655	.7987	19.08.8	L	9 12 ,,
18	18.189	20.59	89.1	40.26	88.7	.0663	.7962	19.07.7	L	10 12 ,,
19	17.160	20.62	89.5	40.05	89.1	.0669	.7939	19.06.8	L	11 12 ,,
20	16.886	20.53	90.0	40.07	89.5	.0653	.7941	19.07.1	L	Noon.
21	17.709	20.38	90.4	40.06	90.0	.0628	.7940	19.07.4	C	1 12 p. m.
22	18.532	20.31	90.8	39.93	90.4	.0617	.7926	19.06.9	C	2 12 ,,
23	19.081	20.16	90.8	39.73	90.8	.0594	.7903	19.06.4	C	3 12 ,,

On the 2nd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 5TH TO 7TH MAY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
May 5th—Noon	18·944	20.08	90°3	39.43	91°0	8.0579	2.7860	19°04'9	C	4 12 p. m.
1	18.670	19.99	89.7	39.47	90.7	.0565	.7864	19.05.1	D	5 12 ,,
2	18.944	19.82	89.1	39.66	90.4	.0538	.7896	19.06.8	D	6 12 ,,
3	17.915	19.76	88.5	39.79	89.7	.0528	.7910	19.07.5	D	7 12 ,,
4	18.052	19.67	88.1	39.92	89.1	.0514	.7925	19.08.4	D	8 12 ,,
5	18.601	19.70	87.9	40.21	88.9	.0518	.7957	19.09.5	L	9 12 ,,
6	18.327	19.74	87.7	40.26	88.6	.0524	.7962	19.09.5	L	10 12 ,,
7	18.670	19.66	87.5	40.50	88.2	.0512	.7989	19.10.8	L	11 12 ,,
8	19.150	19.61	87.3	40.64	88.0	.0503	.8004	19.11.5	L	Midnight.
9	19.013	19.62	87.1	40.64	88.0	.0506	.8004	19.11.4	C	1 12 a. m.
10	18.944	19.77	86.9	40.74	87.9	.0532	.8015	19.11.6	C	2 12 ,,
11	18.738	19.77	86.7	40.81	87.7	.0532	.8023	19.11.9	C	3 12 ,,
12	18.807	19.83	86.6	41.02	87.6	.0538	.8046	19.12.7	C	4 12 ,,
13	18.738	19.59	86.2	41.12	87.2	.0499	.8057	19.13.7	D	5 12 ,,
14	20.385	19.53	85.9	41.42	87.3	.0489	.8090	19.15.0	D	6 12 ,,
15	20.659	19.57	86.1	41.33	87.6	.0497	.8080	19.14.5	D	7 12 ,,
16	20.385	19.79	86.7	40.99	87.9	.0532	.8042	19.12.6	D	8 12 ,,
17	18.875	20.32	87.7	40.55	87.7	.0620	.7994	19.09.5	L	9 12 ,,
18	16.886	20.47	88.4	40.17	88.2	.0645	.7952	19.07.5	L	10 12 ,,
19	15.788	20.47	89.1	40.21	88.8	.0645	.7946	19.07.3	L	11 12 ,,
20	15.720	20.39	89.6	40.13	89.2	.0630	.7948	19.07.7	L	Noon.
21	16.474	20.29	90.2	40.23	89.8	.0614	.7959	19.08.4	C	1 12 p. m.
22	17.160	20.03	90.3	40.06	90.4	.0571	.7940	19.08.2	C	2 12 ,,
23	17.778	19.84	89.9	40.10	90.5	.0540	.7945	19.08.8	C	3 12 ,,
May 6th—Noon	18.327	19.93	89.5	39.91	90.4	.0555	.7924	19.07.6	C	4 12 ,,
1	18.464	19.93	88.9	39.82	90.7	.0555	.7914	19.07.2	D	5 12 ,,
2	17.984	19.73	87.9	39.89	89.8	.0522	.7921	19.08.0	D	6 12 ,,
3	17.641	19.64	87.7	40.13	89.3	.0508	.7948	19.09.3	D	7 12 ,,
4	17.984	19.57	87.1	40.21	88.7	.0497	.7957	19.09.8	D	8 12 ,,
5	18.121	19.67	86.9	40.55	88.3	.0514	.7994	19.11 0	L	9 12 ,,
6	18.464	19.71	86.8	40.74	88.0	.0519	.8015	19.11.7	L	10 12 ,,
7	18.601	19.79	86.7	40.89	87.9	.0532	.8031	19.12.2	L	11 12 ,,
8	18.738	19.83	86.6	41.01	87.5	.0538	.8045	19.12.7	L	Midnight.
9	19.218	19.86	86.6	41.14	87.4	.0544	.8059	19.13.2	C	1 12 a. m.
10	19.150	19.75	86.5	41.22	87.2	.0526	.8068	19.13.6	C	2 12 ,,
11	19.356	19.74	86.4	41.35	87.0	.0524	.8082	19.14.2	C	3 12 ,,
12	19.218	19.77	86.2	41.35	87.0	.0530	.8091	19.14.5	C	4 12 ,,
13	19.013	19.87	86.1	41.41	87.0	.0546	.8089	19.14.1	D	5 12 ,,
14	19.630	19.80	86.0	41.62	87.2	.0534	.8112	19.15.3	D	6 12 ,,
15	19.699	19.61	86.3	41.62	87.3	.0503	.8112	19.15.7	D	7 12 ,,
16	19.973	19.89	87.0	41.43	87.5	.0548	.8091	19.14.2	D	8 12 ,,
17	19.424	20.35	88.1	40.95	87.8	.0624	.8038	19.11.3	L	9 12 ,,
18	18.875	20.73	88.9	40.65	88.3	.0686	.8005	19.09.1	L	10 12 ,,
19	18.464	20.83	89.4	40.35	88.9	.0702	.7972	19.07.6	L	11 12 ,,
20	17.503	20.78	90.0	40.16	89.4	.0694	.7951	19.07.0	L	Noon.
21	17.572	20.62	90.6	40.22	90.0	.0669	.7956	19.07.6	C	1 12 p. m.
22	17.846	20.39	90.9	40.17	90.5	.0630	.7952	19.07.8	C	2 12 ,,
23	17.984	20.14	90.6	40.02	90.7	.0590	.7936	19.07.7	C	3 12 ,,
May 7th—Noon	18.601	19.94	90.2	39.92	90.8	.0557	.7925	19.07.7	C	4 12 ,,
1	19.013	19.83	89.6	39.97	90.5	.0538	.7930	19.08.2	D	5 12 ,,
2	18.601	19.63	88.9	39.99	89.8	.0506	.7932	19.08.6	D	6 12 ,,
3	18.601	19.59	88.2	40.18	89.3	.0499	.7953	19.09.1	D	7 12 ,,
4	18.532	19.60	88.0	40.37	88.9	.0502	.7974	19.10.3	D	8 12 ,,
5	18.395	19.60	87.6	40.55	88.3	.0502	.7994	19.11.1	L	9 12 ,,
6	18.395	19.65	87.3	40.76	88.0	.0510	.8017	19.12.0	L	10 12 ,,
7	18.875	19.60	87.0	41.01	87.7	.0502	.8045	19.13.2	L	11 12 ,,
8	19.287	19.75	86.8	41.16	87.4	.0526	.8061	19.13.3	L	Midnight.
9	19.150	19.77	86.8	41.22	87.3	.0530	.8068	19.13.6	C	1 12 a. m.
10	19.013	19.77	86.6	40.90	87.3	.0530	.8033	19.12.3	C	2 12 ,,
11	18.738	19.75	86.3	41.14	87.1	.0526	.8059	19.13.3	C	3 12 ,,

On the 5th, at about 19h., Dip as obtained by Observation was 19°18'8.

DAILY OBSERVATIONS FROM 7TH TO 9TH. MAY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
MAY 7TH—12	19°013	19.73	86°1	41.21	87°0	8.0522	2.8069	19°13'7	C	4 12 a. m.
13	19.356	19.80	86.0	41.31	86.9	.0534	.8078	19.14.0	D	5 12 „
14	19.218	19.84	85.7	41.40	86.7	.0540	.8088	19.14.3	D	6 12 „
15	19.424	19.97	86.1	41.36	86.9	.0563	.8083	19.13.8	D	7 12 „
16	20.796	20.34	87.7	41.18	87.7	.0622	.8063	19.12.2	D	8 12 „
17	20.590	20.60	88.1	40.73	87.8	.0665	.8014	19.09.7	L	9 12 „
18	19.424	20.82	88.9	40.23	88.4	.0702	.7959	19.07.2	L	10 12 „
19	17.641	20.94	89.5	39.77	89.0	.0721.	.7908	19.04.9	L	11 12 „
20	16.817	20.89	90.0	39.71	89.5	.0710	.7902	19.04.8	L	Noon.
21	16.749	20.77	90.5	39.80	90.0	.0694	.7912	19.04.4	C	1 12 p. m.
22	17.294	20.56	90.8	39.82	90.5	.0659	.7914	19.05.9	C	2 12 „
23	18.052	20.29	90.7	39.72	90.8	.0614	.7903	19.06.2	C	3 12 „
MAY 8TH—Noon	18.670	20.06	90.3	39.81	90.9	.0577	.7913	19.07.0	C	4 12 „
1	18.738	19.91	89.8	39.72	90.8	.0552	.7903	19.06.9	D	5 12 „
2	19.013	19.83	88.9	39.81	90.2	.0538	.7913	19.07.5	D	6 12 „
3	18.327	19.67	88.1	39.99	89.7	.0514	.7932	19.08.6	D	7 12 „
4	18.327	19.68	87.9	40.27	89.1	.0514	.7963	19.09.8	D	8 12 „
5	18.327	19.62	87.7	40.42	88.8	.0506	.7980	19.10.5	L	9 12 „
6	18.601	19.63	87.4	40.61	88.5	.0506	.8001	19.11.3	L	10 12 „
7	18.738	19.68	87.1	40.74	88.0	.0514	.8015	19.11.9	L	11 12 „
8	18.807	19.78	86.8	40.95	87.7	.0530	.8038	19.12.5	L	Midnight.
9	18.944	19.79	86.8	41.05	87.6	.0532	.8049	19.12.9	C	1 12 a. m.
10	19.013	19.90	86.8	41.08	87.6	.0551	.8052	19.12.7.	C	2 12 „
11	19.150	19.90	86.6	41.18	87.5	.0551	.8063	19.13.1	C	3 12 „
12	19.081	19.91	86.5	41.25	87.5	.0552	.8071	19.13.4	C	4 12 „
13	19.630	19.97	86.1	41.41	87.0	.0563	.8089	19.14.0	D	5 12 „
14	20.110	19.70	86.0	41.66	86.9	.0518	.8116	19.15.6	D	6 12 „
15	21.071	19.74	86.2	41.61	87.0	.0524	.8111	19.15.4	D	7 12 „
16	20.865	19.98	87.1	41.37	87.3	.0583	.8084	19.13.8	D	8 12 „
17	19.767	20.23	88.0	40.93	87.6	.0604	.8036	19.11.5	L	9 12 „
18	18.464	20.44	88.8	40.73	88.2	.0639	.8014	19.10.1	L	10 12 „
19	17.846	20.53	89.6	40.48	88.9	.0653	.7985	19.08.8	L	11 12 „
20	17.229	20.60	90.2	40.39	89.7	.0665	.7976	19.08.2	L	Noon.
21	17.092	20.53	90.5	40.20	90.0	.0653	.7956	19.07.7	C	1 12 p. m.
22	17.503	20.38	90.8	40.09	90.3	.0628	.7943	19.07.5	C	2 12 „
23	17.846	20.38	90.9	39.97	90.8	.0628	.7930	19.07.0	C	3 12 „
MAY 9TH—Noon	18.395	20.13	90.4	39.93	91.0	.0588	.7926	19.07.3	C	4 12 „
1	18.601	20.15	90.0	39.82	90.7	.0592	.7914	19.06.8	D	5 12 „
2	18.052	19.91	88.8	39.96	90.2	.0556	.7929	19.07.8	D	6 12 „
3	18.189	19.73	87.9	40.19	89.7	.0522	.7954	19.09.3	D	7 12 „
4	17.984	19.61	87.8	40.43	89.2	.0503	.7981	19.10.6	D	8 12 „
5	18.052	19.62	87.2	40.68	88.5	.0506	.8008	19.11.6	L	9 12 „
6	18.258	19.59	87.0	40.82	88.1	.0489	.8024	19.12.4	L	10 12 „
7	18.807	19.73	86.9	41.07	87.9	.0522	.8051	19.13.1	L	11 12 „
8	18.944	19.83	86.8	41.23	87.7	.0538	.8069	19.13.5	L	Midnight.
9	18.944	19.79	86.8	41.35	87.6	.0532	.8082	19.14.1	C	1 12 a. m.
10	19.013	19.83	86.7	41.38	87.5	.0538	.8085	19.14.2	C	2 12 „
11	19.218	19.77	86.6	41.40	87.5	.0530	.8088	19.14.4	C	3 12 „
12	19.013	19.75	86.4	41.40	87.3	.0526	.8088	19.14.4	C	4 12 „
13	19.081	19.84	86.2	41.42	87.2	.0540	.8090	19.14.4	D	5 12 „
14	19.973	19.67	86.1	41.52	87.2	.0514	.8101	19.15.2	D	6 12 „
15	20.453	19.89	86.7	41.52	87.4	.0548	.8101	19.14.6	D	7 12 „
16	20.385	20.13	87.2	41.28	87.8	.0588	.8074	19.13.0	D	8 12 „
17	19.561	20.41	88.1	41.06	88.0	.0634	.8050	19.11.7	L	9 12 „
18	18.395	20.62	89.0	40.64	88.5	.0669	.8004	19.09.3	L	10 12 „
19	16.886	20.87	89.9	40.20	89.3	.0710	.7956	19.07.0	L	11 12 „
20	16.337	20.81	90.3	40.05	89.9	.0699	.7939	19.06.4	L	Noon.
21	16.269	20.67	90.7	40.03	90.2	.0677	.7937	19.06.7	C	1 12 p. m.
22	16.749	20.39	91.0	40.02	90.7.	.0630	.7936	19.07.2	C	2 12 „
23	17.366	20.26	91.0	40.11	91.0	.0600	.7946	19.08.0	C	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 19°09'0.
On the 9th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 11TH TO 13TH MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAY 11TH-Noon	19·013	19.97	90·8	39.85	91·7	8.0563	2.7917	19°07'4	D	4 12 p. m.
1	18.601	19.76	89.8	39.97	90.7	.0528	.7930	19.08.3	D	5 12 „
2	18.464	19.63	88.7	40.24	89.8	.0506	.7960	19.09.7	D	6 12 „
3	18 327	19.56	87.8	40.43	89.1	.0495	.7981	19.10.6	D	7 12 „
4	18.327	19.61	87.3	40.76	88.7	.0503	.8017	19.12.1	D	8 12 „
5	18.258	19.62	86.9	41.16	88.1	.0506	.8061	19.13.6	L	9 12 „
6	18.601	19.67	86.7	41.33	87.8	.0514	.8080	19.14.4	L	10 12 „
7	18.738	19.73	86.5	41.52	87.4	.0522	.8101	19.15.0	L	11 12 „
8	19.013	19.68	86.4	41.72	87.3	.0514	.8123	19.16.1	L	Midnight.
9	18.875	19.77	86.2	41.76	87.2	.0530	.8127	19.16.0	C	1 12 a. m.
10	19.081	19.68	86.2	41.84	87.2	.0514	.8136	19.16.6	C	2 12 „
11	19.081	19.53	86.1	41.87	87.1	.0499	.8139	19.16.8	C	3 12 „
12	19.287	19.66	86.1	41.77	87.1	.0512	.8128	19.16.3	C	4 12 „
13	19.287	19.78	85.9	41.91	87.1	.0530	.8144	19.16.6	D	5 12 „
14	20.385	19.75	86.0	41.95	86.8	.0526	.8148	19.16.8	D	6 12 „
15	20·316	19.73	86.1	42.02	87.4	.0522	.8156	19.17.2	D	7 12 „
16	19.699	20.03	86.9	41.63	87.7	.0571	.8113	19.14.9	D	8 12 „
17	19.150	20.20	87.8	41.35	87.7	.0600	.8082	19.13.2	L	9 12 „
18	17.984	20.31	88.6	40.95	88.2	.0617	.8038	19.11.3	L	10 12 „
19	17.366	20.34	89.2	40 79	89.0	.0622	.8020	19.10.6	L	11 12 „
20	16.955	20.38	89.9	40.53	89.4	.0628	.7992	19.09.3	L	Noon.
21	17.229	20.35	90.0	40.58	90.0	.0624	.7997	19.09.7	C	1 12 p. m.
22	18.052	20.35	90.2	40.62	90.2	.0624	.8002	19.09.8	C	2 12 „
23	18.670	20.28	90.0	40.48	90.5	.0612	.7986	19.09.4	C	3 12 „
MAY 12TH-Noon	18.532	20.27	89.9	40.21	90.5	.0612	.7957	19.08.4	C	4 12 „
1	18.670	19.97	89.1	40.16	90.3	.0563	.7951	19.08.7	D	5 12 „
2	18.395	19 89	88.7	40.19	89.7	.0548	.7954	19.08.9	D	6 12 „
3	18.052	19.62	87.6	40.47	89.1	.0506	.7985	19.10.7	D	7 12 „
4	17.984	19.61	87.3	40.96	88.7	.0503	.8017	19.12.1	D	8 12 „
5	18.121	19.64	87.0	40.93	88.2	.0508	.8036	19.12.7	L	9 12 „
6	18.395	19.69	86.9	41.12	88.0	.0516	.8057	19.13.4	L	10 12 „
7	19.150	19.59	86.7	41.33	87.8	.0499	.8080	19.14.5	L	11 12 „
8	18.885	19.55	86.5	41.38	87.6	.0493	.8085	19.14.8	L	Midnight.
9	18.885	19.62	86.5	41.40	87.5	.0506	.8088	19.14.7	C	1 12 a. m.
10	18.807	19.64	86.4	41.41	87.5	.0508	.8089	19.14.7	C	2 12 „
11	19.081	19.65	86·3	41.37	87.3	.0510	.8084	19.14.5	C	3 12 „
12	19.218	19.65	86.1	41.41	87.1	.0510	.8089	19.14.7	C	4 12 „
13	19.630	19.68	85.9	41.42	87.2	.0514	.8090	19.14.8	D	5 12 „
14	20.042	19.77	86.1	41.51	87.0	.0530	.8100	19.14.9	D	6 12 „
15	20.796	19.84	86.7	41.81	87.1	.0540	.8133	19.16.1	D	7 12 „
16	21.071	19.96	87.0	41.57	87.3	.0561	.8106	19.14.7	D	8 12 „
17	20.659	20.11	88.0	41.19	87.9	.0585	.8064	19.12.9	L	9 12 „
18	19.561	20.28	88.9	40.67	88.4	.0612	.8007	19.10.3	L	10 12 „
19	17.984	20.35	89.5	40.35	89.0	.0624	.7972	19.08.6	L	11 12 „
20	17.229	20.21	89.9	40.27	89.5	.0601	.7963	19.08.6	L	Noon.
21	17.229	20.11	90.1	40.22	90.0	.0585	.7958	19.08.6	C	1 12 p. m.
22	17.709	20.10	90.4	40.19	90.4	.0564	.7954	19.07.6	C	2 12 „
23	18.532	19.96	90.0	40.10	90.6	.0561	.7945	19.08.5	C	3 12 „
MAY 13TH-Noon	18.670	19.90	89.9	39.82	90.6	.0551	.7914	19.07.3	C	4 12 „
1	18.327	19.86	89.3	39.82	90.7	.0544	.7914	19.07.5	D	5 12 „
2	18.258	19.77	88.8	39.99	89.8	.0530	.7932	19.08.3	D	6 12 „
3	17.984	19.71	88.0	40.33	89.2	.0519	.7970	19.09.9	D	7 12 „
4	18.121	19.59	87.7	40.57	89.0	.0499	.7996	19.11.2	D	8 12 „
5	18.258	19.67	87.3	40.71	88.7	.0514	.8012	19.11.7	L	9 12 „
6	18.601	19.75	87.0	40.88	88.0	.0526	.8030	19.12.2	L	10 12 „
7	18.670	19.77	86.9	41.04	87.9	.0530	.8048	19.12.9	L	11 12 „
8	18.670	19.91	86.5	41.21	87.5	.0552	.8067	19.13.3	L	Midnight.
9	18.875	19.88	86.4	41.33	87.5	.0546	.8080	19.13.8	C	1 12 a. m.
10	18.807	19.85	86.1	41.51	87.4	.0542	.8100	19.14.8	C	2 12 „
11	18.875	19.85	86.0	41.60	87.2	.0542	.8110	19.15.2	C	3 12 „

On the 12th, at about 18h., Dip as obtained by Observation was 19°10'6.

DAILY OBSERVATIONS FROM 13TH TO 15TH MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAY 13TH—12	19°013	19.82	85°9	41.59	87°0	8.0538	2.8108	19°15′1	C	4 12 a. m.
13	19.356	19.74	85.7	41.65	86.8	.0524	.8115	19.15.6	D	5 12 „
14	19.356	19.89	85.7	41.81	87.0	.0548	.8133	19.15.9	D	6 12 „
15	19.424	20.05	86.0	41.72	87.2	.0575	.8123	19.15.2	D	7 12 „
16	19.013	20.31	87.0	41.43	87.7	.0617	.8091	19.13.2	D	8 12 „
17	18.395	20.68	87°7	41.14	87.9	.0667	.8059	19.11.5	L	9 12 „
18	17.778	21.03	88.8	40.91	88.8	.0735	.8034	19.09.6	L	10 12 „
19	16.612	21.06	89.4	40.58	89.3	.0757	.7997	19.07.9	L	11 12 „
20	16.269	21.02	90.0	40.58	89.9	.0733	.7997	19.07.3	L	Noon.
21	16.680	20.77	90.0	40.59	90.3	.0694	.7994	19.09.3	C	1 12 p. m.
22	17.503	20.66	90.3	40.50	90.7	.0665	.7989	19.08.7	C	2 12 „
23	18.258	20.45	90.2	40.37	90.9	.0641	.7974	19.08.5	C	3 12 „
MAY 14TH—Noon	18.670	20.21	90.0	40.13	91.0	.0601	.7948	19.08.1	C	4 12 „
1	18.601	20.23	89.4	39.93	90.9	.0604	.7926	19.07.2	D	5 12 „
2	18.807	19.93	88.9	39.91	90.3	.0555	.7924	19.07.6	D	6 12 „
3	18.052	19.60	88.0	40.24	89.5	.0502	.7960	19.09.8	D	7 12 „
4	18.052	19.60	87.5	40.43	89.2	.0502	.7981	19.10.6	D	8 12 „
5	18.258	19.70	87.3	40.74	88.7	.0518	.8015	19.11.7	L	9 12 „
6	18.189	20.01	87.0	40.80	88.2	.0567	.8022	19.11.3	L	10 12 „
7	19.154	19.71	86.9	41.16	87.9	.0519	.8061	19.13.4	L	11 12 „
8	19.904	19.46	86.7	41.31	87.6	.0479	.8078	19.14.7	L	Midnight.
9	19.356	19.70	86.5	41.38	87.5	.0518	.8085	19.14.4	C	1 12 a. m.
10	19.424	19.76	86.2	41.54	87.3	.0528	.8103	19.15.0	C	2 12 „
11	20.247	19.35	86.0	41.82	87.2	.0461	.8134	19.17.1	C	3 12 „
12	19.356	19.38	85.9	41.71	87.0	.0465	.8122	19.16.5	D	4 12 „
13	19.356	19.31	85.8	41.81	87.0	.0454	.8133	19.17.2	D	5 12 „
14	20.179	19.29	85.7	42.11	86.9	.0440	.8166	19.18.6	D	6 12 „
15	21.002	19.50	86.0	42.01	87.0	.0485	.8155	19.17.6	D	7 12 „
16	20.728	19.62	87.1	41.73	87.6	.0506	.8124	19.16.1	D	8 12 „
17	20.110	19.62	88.1	41.34	88.0	.0506	.8081	19.14.4	L	9 12 „
18	19.287	19.72	88.9	41.12	88.8	.0522	.8057	19.13.4	L	10 12 „
19	18.738	19.75	89.6	41.00	89.3	.0526	.8044	19.12.7	L	11 12 „
20	17.915	19.78	90.0	40.62	89.8	.0530	.8002	19.11.0	L	Noon.
21	17.435	19.60	90.5	40.53	90.2	.0502	.7992	19.11.0	C	1 12 p. m.
22	17.915	19.51	90.7	40.49	90.8	.0486	.7987	19 11.0	C	2 12 „
23	18.189	19.44	90.8	40.29	91.0	.0475	.7965	19.10.3	C	3 12 „
MAY 15TH—Noon	18.189	19.30	90.5	40.13	91.1	.0453	.7948	19.10.0	C	4 12 „
1	18.121	19.30	90.0	40.14	90.7	.0453	.7949	19.10.0	L	5 12 „
2	18.327	19.28	89.1	40.30	90.1	.0438	.7967	19.10.9	L	6 12 „
3	19.013	19.14	88.2	40.62	89.4	.0426	.8002	19.12.3	C	7 12 „
4	18.464	19.26	87.9	40.62	89.0	.0436	.8002	19.12.2	C	8 12 „
5	18.601	19.19	87.7	40.86	88.8	.0434	.8028	19.13.4	D	9 12 „
6	18.738	19.31	87.3	40.96	88.7	.0454	.8039	19.13.5	D	10 12 „
7	19.287	19.25	87.2	41.21	88.5	.0444	.8067	19.14.8	D	11 12 „
8	19.150	19.50	87.0	41.25	88.2	.0485	.8071	19.14.2	D	Midnight.
9	19.287	19.48	86.9	41.44	88.1	.0481	.8092	19.15 2	C	1 12 a. m.
10	19.630	19.50	86.9	41.52	87.9	.0485	.8101	19.15.4	C	2 12 „
11	19.561	19.48	86.8	41.58	87.7	.0481	.8107	19.15.9	C	3 12 „
12	19.218	19.64	86.8	41.63	87.7	.0508	.8113	19.15.7	C	4 12 „
13	19.699	19.59	86.7	41.68	87.5	.0499	.8118	19.16.0	D	5 12 „
14	19.973	19.58	86.4	41.82	87.3	.0497	.8134	19.16.6	D	6 12 „
15	20.796	19.78	86.9	41.88	87.8	.0530	.8140	19.16.5	D	7 12 „
16	20.590	19.89	87.7	41.69	88.1	.0548	.8119	19.15.3	D	8 12 „
17	19.767	19.92	88.5	41.35	88.6	.0555	.8082	19.13.7	L	9 12 „
18	19.013	20.03	89.4	41.05	89.0	.0571	.8049	19.12.4	L	10 12 „
19	18.395	20.01	89.9	40.80	89.4	.0568	.8022	19.11.3	L	11 12 „
20	18.189	19.94	90.5	40.72	89.9	.0557	.8013	19.11.1	L	Noon.
21	17.915	19.92	91.0	40.62	90.6	.0555	.8002	19.10.6	C	1 12 p. m.
22	18.189	19.77	91.0	40.53	91.0	.0530	.7992	19.10.6	C	2 12 „
23	18.327	19.72	91.0	40.32	91.2	.0522	.7969	19.09.8	C	3 12 „

On the 15th, at about 18h., Dip as obtained by Observation was 19°10′6.

DAILY OBSERVATIONS FROM 16TH TO 19TH MAY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
May 16th-Noon	18'052	19.56	90°6	40.09	91°4	8.0495	2.7943	19°09'2	C	4 12 p. m.
1	17.709	19.56	89.8	40.02	90.8	.0495	.7836	19.08.9	D	5 12 „
2	17.641	19.64	89.2	40.22	90.5	.0508	.7958	19.09.7	D	6 12 „
3	18.327	19.31	88.1	40.64	89.8	.0454	.8004	19.12.1	D	7 12 „
4	18.601	19.13	87.9	40.86	89.4	.0424	.8028	19.13.5	D	8 12 „
5	18.738	19.23	87.5	40.97	88.9	.0432	.8040	19.13.9	L	9 12 „
6	18.807	19.23	87.3	41.18	88.5	.0432	.8063	19.14.9	L	10 12 „
7	19.150	19.44	87.0	41.32	88.1	.0465	.8079	19.14.8	L	11 12 „
8	19.150	19.53	86.9	41.52	88.0	.0489	.8101	19.15.4	L	Midnight.
9	19.356	19.54	86.6	41.64	87.8	.0491	.8114	19.15.9	L	1 12 a. m.
10	19.424	19.57	86.6	41.69	87.6	.0497	.8119	19.16.0	C	2 12 „
11	19.630	19.61	86.5	41.87	87.5	.0503	.8139	19.16.8	C	3 12 „
12	19.699	19.52	86.3	41.63	87.5	.0489	.8113	19.15.9	C	4 12 „
13	19.013	19.60	86.0	41.67	87.3	.0502	.8117	19.16.0	D	5 12 „
14	19.356	19.59	86.0	41.87	87.2	.0499	.8139	19.16.8	D	6 12 „
15	20.316	19.60	86.5	41.73	87.5	.0502	.8124	19.16.0	D	7 12 „
16	20.385	19.76	87.3	41.74	87.9	.0528	.8125	19.15.9	D	8 12 „
17	19.904	19.71	88.0	41.42	88.0	.0519	.8090	19.14.6	C	9 12 „
18	19.287	19.78	89.2	41.11	88.7	.0530	.8056	19.13.2	C	10 12 „
19	18.875	19.82	89.9	40.80	89.2	.0538	.8022	19.11.7	C	11 12 „
20	18.395	19.86	90.5	40.62	89.8	.0544	.8002	19.10.9	C	Noon.
21	18.258	19.77	90.7	40.56	90.2	.0530	.7995	19.10.8	L	1 12 p. m.
22	18.052	19.75	90.9	40.32	90.6	.0526	.7969	19.09.7	L	2 12 „
23	17.984	19.72	91.0	40.13	91.0	.0522	.7984	19.09.1	L	3 12 „
May 18th-Noon	18.601	19.87	90.9	40.28	91.4	.0546	.7964	19.09.2	D	4 12 „
1	18.464	19.80	90.0	40.31	90.9	.0534	.7968	19.09.7	D	5 12 „
2	17.984	19.67	88.8	40.51	90.3	.0514	.7990	19.10.9	D	6 12 „
3	18.395	19.65	88.0	40.79	89.6	.0510	.8020	19.12.1	D	7 12 „
4	18.601	19.70	87.8	41.12	89.1	.0518	.8057	19.13.4	D	8 12 „
5	18.738	19.62	87.5	41.17	88.7	.0506	.8062	19.13.6	L	9 12 „
6	18.944	19.66	87.2	41.47	88.4	.0512	.8095	19.15.0	L	10 12 „
7	19.081	19.69	87.0	41.59	88.0	.0516	.8108	19.15.3	L	11 12 „
8	19.424	19.58	86.8	41.71	87.8	.0497	.8122	19.16.1	L	Midnight.
9	19.493	19.69	86.8	41.83	87.7	.0516	.8135	19.16.4	C	1 12 a. m.
10	19.630	19.67	86.7	41.83	87.7	.0514	.8135	19.16.6	C	2 12 „
11	19.699	19.63	86.4	42.17	87.4	.0506	.8172	19.17.9	D	3 12 „
12	20.385	19.65	86.2	42.22	87.1	.0501	.8178	19.18.3	D	4 12 „
13	19.973	19.65	86.0	42.32	85.7	.0501	.8190	19.18.8	D	5 12 „
14	20.385	19.69	86.7	42.18	85.9	.0516	.8173	19.17.8	D	6 12 „
15	20.385	19.89	86.7	42.20	86.7	.0548	.8176	19.17.5	D	7 12 „
16	19.699	20.21	87.0	42.03	87.8	.0601	.8157	19.16.3	D	8 12 „
17	18.738	20.51	88.0	41.69	88.0	.0650	.8119	19.14.0	L	9 12 „
18	17.641	20.66	88.9	41.51	88.7	.0675	.8100	19.13.0	L	10 12 „
19	17.160	20.68	89.4	41.28	89.2	.0677	.8074	19.14.9	L	11 12 „
20	16.680	20.54	89.8	41.11	89.6	.0655	.8056	19.11.5	L	Noon.
21	16.612	20.34	90.1	41.08	90.0	.0622	.8052	19.11.8	L	1 12 p. m.
22	17.572	20.32	90.1	41.19	90.3	.0620	.8064	19.12.2	N	2 12 „
23	18.189	20.27	90.0	41.17	90.6	.0612	.8062	19.12.3	N	3 12 „
May 19th-Noon	18.670	20.18	89.5	41.11	90.2	.0596	.8056	19.12.3	N	4 12 „
1	18.807	19.92	88.6	40.94	89.7	.0555	.8037	19.12.1	D	5 12 „
2	18.052	19.95	88.0	41.08	89.2	.0559	.8052	19.12.6	D	6 12 „
3	17.984	19.76	87.8	41.32	88.9	.0528	.8079	19.14.0	D	7 12 „
4	18.327	19.81	87.5	41.46	88.7	.0535	.8094	19.14.5	D	8 12 „
5	18.944	19.77	87.3	41.63	88.2	.0530	.8113	19.15.4	L	9 12 „
6	19.081	19.60	87.2	41.74	88.0	.0492	.8121	19.16.2	L	10 12 „
7	19.150	19.68	87.2	41.82	87.9	.0514	.8134	19.16.5	L	11 21 „
8	19.150	19.79	87.1	41.86	87.8	.0532	.8138	19.16.4	L	Midnight.
9	19.699	19.77	87.1	41.94	88.0	.0530	.8147	19.16.8	N	1 12 p. m.
10	19.561	19.80	87.0	41.93	87.8	.0534	.8146	19.16.7	N	2 12 „
11	19.836	19.68	86.9	42.03	87.6	.0514	.8157	19.17.5	N	3 12 „

On the 16th, at about 18h., Deflection Observations were taken.
On the 19th, at about 18h., Dip as obtained by Observation was 19°09'7.

DAILY OBSERVATIONS FROM 19TH TO 21ST MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAY 19TH—12	19°836	19.64	86°7	42.07	87°3	8.0508	2.8161	19°17′5	N	4 12 a. m.
13	20.042	19.65	86.5	42.22	87.2	.0510	.8178	19.18.2	D	5 12 „
14	21.345	19.63	86.2	42.31	87.1	.0506	.8188	19.18.6	D	6 12 „
15	21.758	19.65	86.7	42.27	87.3	.0510	.8183	19.18.4	D	7 12 „
16	21.071	19.89	87.5	41.70	88.2	.0548	.8121	19.15 4	D	8 12 „
17	19.287	20.18	88.4	40.96	88.6	.0596	.8039	19.11.6	L	9 12 „
18	18.258	20.33	89.4	40.67	89.1	.0620	.8007	19.10.1	L	10 12 „
19	17.366	20.31	90.3	40.58	89.9	.0617	.7997	19.09.7	L	11 12 „
20	17.092	20.24	90.7	40.43	90.3	.0606	.7981	19.09.2	L	Noon.
21	17.160	20.20	90.8	40.57	90 7	.0600	.7996	19.09.9	N	1 12 p. m.
22	18.121	20.06	90.9	40.55	91.0	.0577	.7994	19.10.1	N	2 12 „
23	18.875	19.94	90.7	40.41	91.1	.0552	.7979	19.09.8	N	3 12 „
MAY 20TH—Noon	19.356	19.76	90.2	40.33	91.0	.0528	7970	19.09.8	N	4 12 „
1	19.218	19.74	89.7	40.37	90.7	.0524	.7974	19.10.0	D	5 12 „
2	19.013	19.64	88.7	40.25	90.0	.0508	.7961	19.09.7	D	6 12 „
3	18.670	19.45	88.0	40.63	89.3	.0477	.8003	19.11.8	D	7 12 „
4	18.944	19.52	88.0	40.67	89.0	.0489	.8007	19.11.8	D	8 12 „
5	18.807	19.52	87.0	40.94	88.0	.0489	.8037	19.13.0	L	9 12 „
6	19.081	19.62	86.9	41.21	87.8	.0506	.8067	19.13.9	L	10 12 „
7	19.218	19.68	86.9	41.42	87.4	.0514	.8090	19.14.8	L	11 12 „
8	19.150	19.74	86.2	41.56	87.4	.0524	.8105	19.15.2	L	Midnight.
9	19.356	19.61	86.3	41.62	87.3	.0503	.8112	19.15.7	N	1 12 a. m.
10	19.561	19.65	86.5	41.65	87.3	.0510	.8115	19.15.8	N	2 12 „
11	19.493	19.67	86.7	41.65	87.4	.0514	.8115	19.15.8	N	3 12 „
12	19.495	19.82	86.7	41.62	87.3	.0538	.8112	19.15.2	N	4 12 „
13	19.287	19.90	87.0	41.58	87.5	.0551	.8107	19.14.9	D	5 12 „
14	19.904	20.11	86.8	41.52	87.3	.0585	.8101	19.14.1	D	6 12 „
15	20.179	20.05	87.0	41.63	87.7	.0575	.8113	19.14.8	D	7 12 „
16	20.796	20.23	87.7	41.49	88.0	.0606	.8097	19.13.8	D	8 12 „
17	20.590	20.44	88.6	41.01	88.6	.0639	.8045	19.11.4	L	9 12 „
18	19.493	20.57	89.3	40.43	89.2	.0661	.7981	19.08.5	L	10 12 „
19	18.121	20.68	89.9	40.36	89.2	.0677	.7973	19.08.0	L	11 12 „
20	16.543	20.69	90.4	40.28	89.9	.0679	.7964	19.07.6	L	Noon.
21	16.406	20.44	90.9	40.32	90.5	.0639	.7969	19.08.3	N	1 12 p. m.
22	17.160	20.34	91.2	40.33	91.0	.0622	.7970	19.08.6	N	2 12 „
23	17.778	20.10	91.3	40.20	91.3	.0584	.7956	19.08.7	N	3 12 „
MAY 21ST—Noon	18.327	19.97	91.0	40.05	91.5	.0563	.7939	19.08.2	N	4 12 „
1	18.738	19.85	90.5	39.84	91.2	.0542	.7916	19.07.6	D	5 12 „
2	18.395	19.59	87.7	40.56	88.7	.0499	.7995	19.11.2	D	6 12 „
3	18.327	19.46	86.8	40.49	88.0	.0479	.7987	19.11.2	D	7 12 „
4	18.670	19.42	86.1	40.82	87.3	.0463	.8024	19.12.8	D	8 12 „
5	18.807	19.51	85.5	40.82	86.8	.0486	.8024	19.12.4	L	9 12 „
6	19.081	19.64	85.4	41.45	86.5	.0508	.8093	19.14.9	L	10 12 „
7	19.356	19.67	85.4	41.50	86.5	.0514	.8099	19.15.1	L	11 12 „
8	19.150	19.58	85.2	41.62	86.2	.0497	.8112	19.15.7	L	Midnight.
9	19.218	19.77	85.1	41.75	86.2	.0530	.8126	19.15.9	N	1 12 a. m.
10	19.424	19.78	85.1	41.78	86.1	.0530	.8129	19.16.0	N	2 12 „
11	19.767	19.75	85.0	41.78	86.0	.0526	.8129	19.16.0	N	3 12 „
12	19.561	19.80	85.0	41.93	86.0	.0534	.8145	19.16.7	N	4 12 „
13	18.670	19.92	85.1	42.07	85.7	.0555	.8161	19.16.8	D	5 12 „
14	20.453	19.89	85.2	42.17	85.8	.0548	.8172	19.17.3	D	6 12 „
15	20.728	19.94	85.7	41.98	85.9	.0557	.8151	19.16.5	D	7 12 „
16	21.208	20.33	86.2	41.70	86.7	.0620	.8121	19.14.5	D	8 12 „
17	19.836	20.47	87.0	41.31	86.9	.0645	.8078	19.12.4	L	9 12 „
18	18.189	20.51	87.7	41.07	87.4	.0650	.8051	19.11.4	L	10 12 „
19	17.366	20.74	88.8	40.97	88.3	.0678	.8040	19.10.7	L	11 12 „
20	16.955	20.76	89.9	40.57	89.1	.0692	.7996	19.09.7	L	Noon.
21	17.092	20.58	90.2	40.59	89.8	.0661	.7993	19.09.2	N	1 12 p. m.
22	17.915	20.31	90.8	40.41	90.3	.0617	.7979	19.08.9	N	2 12 „
23	18.875	20.10	91.0	40.20	90.8	.0584	.7956	19.08.9	N	3 12 „

DAILY OBSERVATIONS FROM 22ND TO 26TH MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAY 22ND—Noon	19'493	20.02	91°1	39.93	91°0	8.0571	2.7926	19°07'8	N	4 12 p. m.
1	19.081	19.90	90.5	39.83	90.9	.0551	.7915	19.07.4	N	5 12 ,,
2	18.327	19.77	89.1	39.71	90.3	.0530	.7902	19.09.1	D	6 12 ,,
3	18.258	19.70	88.5	39.99	89.7	.0528	.7932	19.08.3	D	7 12 ,,
4	18.464	19.59	88.2	40.23	89.2	.0499	.7959	19.09.8	D	8 12 ,,
5	18.601	19.57	88.1	40.32	89.0	.0497	.7969	19.10.1	L	9 12 ,,
6	18.738	19.58	88.0	40.45	88.9	.0497	.7983	19.10.7	L	10 12 ,,
7	18.807	19.62	87.9	40.60	88.8	.0506	.8000	19.11.3	L	11 12 ,,
8	18.875	19.57	87.7	40.68	88.6	.0497	.8008	19.11.7	L	Midnight.
9	19.081	19.51	87.3	40.75	88.3	.0486	.8016	19.12.1	N	12 a. m.
10	19.218	19.52	87.1	40.79	88.1	.0489	.8020	19.12.3	N	2 12 ,,
11	19.218	19.50	86.9	40.89	87.9	.0485	.8031	19.12.7	N	3 12 ,,
12	19.013	19.74	86.8	40.94	87.9	.0524	.8037	19.12.6	N	4 12 ,,
13	19.493	19.86	86.8	41.14	87.9	.0544	.8059	19.13.2	N	5 12 ,,
14	20.522	19.80	86.6	41.23	87.5	.0534	.8069	19.13.6	N	6 12 ,,
15	21.276	19.99	87.0	41.13	87.8	.0565	.8058	19.12.8	D	7 12 ,,
16	21.071	20.15	87.3	40.74	88.1	.0592	.8015	19.10.8	D	8 12 ,,
17	19.493	20.29	88.1	40.25	88.2	.0614	.7961	19.08.4	L	9 12 ,,
18	17.366	20.37	89.0	39.95	89.0	.0630	.7928	19.06.9	L	10 12 ,,
19	17.298	20.26	89.5	40.02	89.3	.0610	.7936	19.07.5	L	11 12 ,,
20	16.955	20.30	90.3	39.88	89.9	.0616	.7920	19.06.7	L	Noon.
21	17.435	20.34	90.7	39.69	90.3	.0622	.7899	19.05.8	N	1 12 p. m.
22	16.955	20.22	91.2	39.59	81.1	.0604	.7888	19.05.7	D	2 12 ,,
23	17.572	20.15	91.2	39.34	91.8	.0592	.7857	19.04.7	D	3 12 ,,
MAY 25TH—Noon	18.052	20.25	92.2	38.99	93.1	.0608	.7822	19.03.0	D	4 12 ,,
1	18.601	20.01	91.3	39.13	92.7	.0568	.7838	19.04.2	D	5 12 ,,
2	19.013	19.96	90.8	39.25	91.8	.0561	.7851	19.04.8	D	6 12 ,,
3	18.258	19.91	90.0	39.46	90.2	.0552	.7874	19.05.7	D	7 12 ,,
4	18.601	19.96	89.8	39.64	89.7	.0561	.7894	19.06.4	D	8 12 ,,
5	18.670	19.95	89.5	39.82	90.5	.0559	.7914	19.07.2	L	9 12 ,,
6	18.601	19.94	89.1	39.96	90.2	.0557	.7929	19.07.8	L	10 12 ,,
7	19.150	20.01	89.0	40.16	89.9	.0568	.7951	19.08.6	L	11 12 ,,
8	19.081	20.04	88.9	40.34	89.7	.0573	.7971	19.09.3	L	Midnight.
9	19.424	19.98	88.6	40.49	89.5	.0563	.7987	19.10.1	L	1 12 a. m.
10	19.424	19.99	88.2	40.53	89.0	.0565	.7992	19.10.1	N	2 12 ,,
11	19.218	19.92	88.1	40.67	89.0	.0555	.8007	19.10.9	N	3 12 ,,
12	19.081	19.95	88.0	40.75	89.0	.0559	.8016	19.11.2	N	4 12 ,,
13	19.356	19.94	87.7	40.84	88.7	.0557	.8026	19.11.6	N	5 12 ,,
14	20.385	19.77	86.9	41.11	88.6	.0530	.8056	19.13.2	D	6 12 ,,
15	20.385	19.96	87.0	41.25	88.4	.0551	.8071	19.13.4	D	7 12 ,,
16	21.208	20.38	87.9	41.06	88.7	.0628	.8050	19.11.7	D	8 12 ,,
17	20.453	20.50	89.5	40.73	89.4	.0649	.8014	19.09.9	L	9 12 ,,
18	19.561	20.69	90.4	40.32	90.0	.0679	.7969	19.07.8	L	10 12 ,,
19	18.258	20.90	90.8	40.09	90.2	.0715	.7943	19.06.3	L	11 12 ,,
20	17.092	21.08	91.4	39.88	90.9	.0743	.7920	19.05.2	L	Noon.
21	17.366	20.96	91.8	39.94	91.2	.0725	.7927	19.05.6	N	1 12 p. m.
22	17.784	20.90	92.2	39.86	92.0	.0715	.7918	19.05.3	N	2 12 ,,
23	18.738	20.68	92.4	39.69	92.2	.0677	.7899	19.05.1	N	3 12 ,,
MAY 26TH—Noon	19.493	20.31	91.8	39.49	92.2	.0617	.7877	19.05.0	N	4 12 ,,
1	19.013	20.09	91.2	39.45	91.7	.0581	.7873	19.05.4	D	5 12 ,,
2	18.670	20.07	90.8	39.44	91.2	.0579	.7872	19.05.3	D	6 12 ,,
3	18.807	19.96	90.1	39.67	90.7	.0561	.7897	19.06.6	D	7 12 ,,
4	18.121	19.96	89.8	39.82	90.5	.0561	.7914	19.07.2	D	8 12 ,,
5	18.327	20.01	89.3	39.97	90.5	.0568	.7930	19.07.8	L	9 12 ,,
6	18.464	19.92	89.0	40.16	90.2	.0555	.7951	19.08.7	L	10 12 ,,
7	18.601	19.79	88.7	40.22	90.0	.0532	.7958	19.09.4	L	11 12 ,,
8	18.670	19.85	88.6	40.40	89.9	.0542	.7978	19.10.0	L	Midnight.
9	18.944	19.72	88.5	40.49	89.7	.0522	.7987	19.10.6	N	1 12 a. m.
10	19.218	19.94	88.1	40.61	89.5	.0557	.8001	19.10.6	N	2 12 ,,
11	19.218	19.93	88.0	40.68	89.2	.0555	.8008	19.10.9	N	3 12 ,,

On the 22nd, at about 18h., Dip as obtained by Observation was 18°54'4.
On the 22nd, at about 19h., Deflection Observations were taken.
On the 26th, at about 18h., Dip as obtained by Observation was 19°22'2.

DAILY OBSERVATIONS FROM 26TH TO 28th MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	/									h. m.
MAY 26TH—12	19°081	19.89	87°9	40.69	89°0	8.0548	2.8009	19°11'0	N	4 12 a. m.
13	19.356	19.98	87.9	40.76	88.8	.0554	.8017	19.11.4	D	5 12 „
14	20.590	19.98	87.9	41.07	88.9	.0554	.8051	19.12.7	D	6 12 „
15	21.345	19.95	88.0	41.02	89.0	.0559	.8046	19.12.4	D	7 12 „
16	21.482	19.99	88.2	40.77	89.1	.0565	.8018	19.11.2	D	8 12 „
17	20.865	20.25	88.4	40.59	89.0	.0608	.7998	19.09.9	L	9 12 „
18	18.738	20.33	86.1	40.42	87.0	.0620	.7980	19.09.0	L	10 12 „
19	18.121	20.80	87.6	40.85	87.7	.0698	.8027	19.09.9	L	11 12 „
20	17.641	20.63	87.3	40.93	86.9	.0669	.8036	19.10.6	L	Noon.
21	17.984	20.55	86.5	41.58	86.1	.0649	.8107	19.13.6	N	1 12 p. m.
22	18.738	20.54	87.2	41.83	87.0	.0647	.8135	19.14.7	N	2 12 „
23	19.904	20.13	87.6	41.97	87.2	.0588	.8150	19.16.1	N	3 12 „
MAY 27TH—Noon	19.973	19.80	87.9	41.64	87.9	.0534	.8114	19.15.4	N	4 12 „
1	19.424	19.87	88.1	41.30	88.3	.0546	.8077	19.13.7	D	5 12 „
2	18.738	19.63	87.9	41.04	88.0	.0506	.8048	19.13.2	D	6 12 „
3	18.052	19.63	87.7	41.09	88.0	.0506	.8053	19.13.4	D	7 12 „
4	18.395	19.49	86.7	41.32	87.4	.0483	.8079	19.14.7	D	8 12 „
5	18.532	19.50	86.1	41.51	86.3	.0485	.8100	19.15.4	L	9 12 „
6	18.738	19.67	86.1	41.72	86.3	.0514	.8123	19.16.1	L	10 12 „
7	18.944	19.68	86.0	41.83	86.1	.0514	.8135	19.16.6	L	11 12 „
8	19.630	19.34	86.0	41.96	86.1	.0459	.8149	19.17.7	L	Midnight.
9	19.767	19.53	85.8	41.86	86.1	.0489	.8138	19.16.9	N	1 12 a. m.
10	19.424	19.57	85.6	41.88	86.0	.0497	.8140	19.16.9	N	2 12 „
11	19.699	19.60	85.5	41.93	86.0	.0502	.8146	19.17.1	N	3 12 „
12	19.561	19.62	85.3	41.93	85.9	.0506	.8146	19.17.0	N	4 12 „
13	19.699	19.69	85.2	41.98	85.9	.0516	.8151	19.17.0	D	5 12 „
14	19.767	19.74	85.7	42.03	86.1	.0524	.8157	19.17.3	D	6 12 „
15	20.179	19.99	85.7	42.09	86.2	.0565	.8163	19.16.8	D	7 12 „
16	20.385	20.28	86.2	41.99	86.2	.0612	.8152	19.15.9	D	8 12 „
17	19.287	20.64	87.0	41.47	86.4	.0671	.8095	19.12.9	L	9 12 „
18	18.327	20.65	87.7	41.31	87.0	.0673	.8078	19.12.2	L	10 12 „
19	17.298	20.78	88.3	41.08	87.7	.0694	.8052	19.10.9	L	11 12 „
20	17.023	20.51	88.7	40.76	88.0	.0650	.8017	19.10.1	L	Noon.
21	17.984	19.93	89.0	40.77	88.9	.0555	.8018	19.11.3	N	1 12 p. m.
22	18.395	19.67	89.1	40.67	89.0	.0514	.8007	19.11.6	N	2 12 „
23	18.581	19.71	89.3	40.51	89.6	.0519	.7990	19.10.7	N	3 12 „
MAY 28TH—Noon	19.081	19.46	89.0	40.38	89.2	.0479	.7975	19.11.7	N	4 12 „
1	19.013	19.36	88.3	40.27	88.9	.0463	.7963	19.10.6	D	5 12 „
2	18.601	19.36	87.8	40.29	88.0	.0463	.7965	19.10.5	D	6 12 „
3	18.738	19.26	87.3	40.64	87.9	.0436	.8004	19.12.3	D	7 12 „
4	18.532	19.24	87.2	40.77	87.7	.0432	.8018	19.13.0	D	8 12 „
5	18.807	19.40	87.0	40.90	87.3	.0469	.8033	19.13.1	L	9 12 „
6	18.944	19.43	86.8	41.00	87.2	.0473	.8044	19.13.5	L	10 12 „
7	18.807	19.52	86.6	41.00	87.0	.0489	.8056	19.13.7	L	11 12 „
8	18.944	19.49	86.4	41.15	87.0	.0483	.8060	19.14.0	L	Midnight.
9	19.218	19.64	86.3	41.21	87.0	.0508	.8067	19.13.9	N	1 12 a. m.
10	19.218	19.62	86.1	41.20	86.8	.0506	.8066	19.13.8	N	2 12 „
11	19.356	19.62	86.0	41.35	86.6	.0506	.8082	19.14.4	N	3 12 „
12	19.356	19.61	85.8	41.38	86.1	.0503	.8085	19.14.7	N	4 12 „
13	19.699	19.66	85.8	41.53	86.1	.0512	.8102	19.15.2	D	5 12 „
14	20.110	19.64	85.7	41.48	85.9	.0508	.8097	19.15.1	D	6 12 „
15	19.973	19.66	85.8	41.24	86.3	.0512	.8070	19.14.0	D	7 12 „
16	19.013	19.92	86.1	40.95	86.7	.0555	.8038	19.12.1	D	8 12 „
17	18.327	20.13	86.5	40.89	86.4	.0579	.8031	19.11.6	L	9 12 „
18	17.092	20.43	87.4	40.69	87.0	.0637	.8009	19.09.9	L	10 12 „
19	16.200	20.47	87.8	40.54	87.3	.0645	.7994	19.09.1	L	11 12 „
20	16.200	20.41	88.3	40.62	87.9	.0634	.8002	19.09.7	L	Noon.
21	17.160	20.20	88.5	40.64	88.1	.0600	.8004	19.10.2	N	1 12 p. m.
22	18.121	20.06	88.6	40.51	88.5	.0577	.7994	19.10.0	N	2 12 „
23	18.395	19.84	88.4	40.38	88.8	.0540	.7975	19.09.9	N	3 12 „

DAILY OBSERVATIONS FROM 29TH TO 31ST MAY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
MAY 29TH-Noon	19°081	19.58	87°9	40.44	88°0	8.0497	2,7982	19°10'6	N	4 12 p. m.
1	19.013	19.35	87.2	40.38	87.8	.0461	.7975	19.10.9	D	5 12 ,,
2	19.150	19.25	87.0	40.43	87.6	.0434	.7981	19.11.5	D	6 12 ,,
3	18.807	19.31	86.8	40.61	87.1	.0454	.8001	19.12.0	D	7 12 ,,
4	18.807	19.49	86.7	40.78	86.8	.0483	.8019	19.12.4	D	8 12 ,,
5	18.738	19.48	86.4	40.78	86.6	.0481	.8019	19.12.4	L	9 12 ,,
6	19.013	19.45	86.1	40.86	86.6	.0477	.8028	19.12.8	L	10 12 ,,
7	19.013	19.45	85.9	40.91	86.2	.0477	.8034	19.13.0	L	11 12 ,,
8	19.150	19.56	85.5	40.98	86.0	.0493	.8041	19.13.1	L	Midnight.
9	19.493	19.42	85.1	40.92	85.9	.0473	.8035	19.13.2	N	1 12 a. m.
10	19.493	19.52	85.0	41.17	85.5	.0489	.8062	19.14.8	N	2 12 ,,
11	19.630	19.46	84.8	41.35	85.1	.0479	.8082	19.14.8	N	3 12 ,,
12	19.699	19.50	84.8	41.37	85.0	.0485	.8084	19.14.7	N	4 12 ,,
13	20.110	19.51	84.8	41.45	85.1	.0486	.8091	19.15.1	D	5 12 ,,
14	20.728	19.46	84.8	41.51	85.3	.0479	.8100	19.15.6	D	6 12 ,,
15	20.659	19.70	85.0	41.32	85.6	.0518	.8074	19.14.1	D	7 12 ,,
16	19.904	19.95	86.0	41.08	86.1	.0567	.8052	19.13.5	D	8 12 ,,
17	19.081	20.25	87.0	40.70	86.5	.0608	.8033	19.11.3	L	9 12 ,,
18	18.258	20.46	87.9	40.33	87.1	.0643	.7970	19.08.4	L	10 12 ,,
19	17.641	20.59	88.6	40.02	88.0	.0673	.7936	19.06.7	L	11 12 ,,
20	17.023	20.49	89.1	39.70	88.8	.0647	.7901	19.05.5	L	Noon.
21	17.366	20.33	89.3	39.59	89.0	.0620	.7888	19.05.4	N	1 12 p. m.
22	17.778	20.20	89.5	39.53	89.2	.0600	.7882	19.05.4	N	2 12 ,,
23	18.395	19.94	89.1	39.50	89.4	.0557	.7879	19.05.8	N	3 12 ,,
MAY 30TH-Noon	18.944	19.74	88.6	39.47	89.0	.0524	.7870	19.06.2	N	4 12 ,,
1	19.287	19.61	88.0	39.36	88.7	.0503	.7863	19.06.0	D	5 12 ,,
2	18.807	19.49	87.2	39.83	87.8	.0483	.7915	19.08.4	D	6 12 ,,
3	18.807	19.43	86.4	39.91	87.0	.0473	.7924	19.08.8	D	7 12 ,,
4	18.464	19.35	86.0	40.09	86.4	.0461	.7943	19.09.7	D	8 12 ,,
5	18.738	19.48	85.4	40.36	85.4	.0481	.7973	19.10.6	L	9 12 ,,
6	18.875	19.27	85.0	40.63	85.1	.0438	.8003	19.12.3	L	10 12 ,,
7	19.081	19.32	84.6	40.88	84.8	.0457	.8030	19.13.1	L	11 12 ,,
8	19.356	19.47	84.2	41.04	84.6	.0481	.8048	19.13.6	L	Midnight.
9	19.287	19.46	83.8	41.22	84.1	.0479	.8068	19.14.3	N	1 12 a. m.
10	19.218	19.54	83.7	41.27	84.1	.0491	.8073	19.14.3	N	2 12 ,,
11	19.218	19.42	83.6	41.34	84.0	.0473	.8081	19.14.9	N	3 12 ,,
12	19.424	19.52	83.6	41.34	84.0	.0489	.8081	19.14.6	N	4 12 ,,
13	19.356	19.64	83.7	41.32	84.0	.0508	.8079	19.14.3	D	5 12 ,,
14	20.042	19.64	83.7	41.48	83.8	.0508	.8096	19.15.0	D	6 12 ,,
15	20.728	19.68	83.9	41.63	84.2	.0514	.8113	19.15.7	D	7 12 ,,
16	20.179	19.94	84.7	41.24	84.7	.0557	.8070	19.13.3	D	8 12 ,,
17	19.699	20.24	85.6	40.85	85.0	.0616	.8027	19.10.9	L	9 12 ,,
18	18.601	20.46	86.6	40.46	85.9	.0643	.7984	19.08.9	L	10 12 ,,
19	17.572	20.47	87.2	40.19	86.9	.0645	.7954	19.07.6	L	11 12 ,,
20	17.229	20.57	88.0	40.01	87.7	.0661	.7935	19.06.8	L	Noon.
21	17.846	20.27	87.9	39.93	87.8	.0612	.7926	19.07.1	N	1 12 p. m.
22	18.052	20.07	87.5	39.91	87.5	.0579	.7924	19.07.4	N	2 12 ,,
23	17.778	19.77	87.0	39.93	86.9	.0530	.7926	19.08.1	N	3 12 ,,
MAY 31ST-Noon	18.601	19.37	86.0	40.24	85.8	.0465	.7960	19.10.2	N	4 12 ,,
1	19.013	19.32	85.1	40.41	85.2	.0457	.7979	19.11.0	D	5 12 ,,
2	18.670	19.27	84.1	40.60	85.0	.0438	.8000	19.12.2	D	6 12 ,,
3	18.670	19.35	84.0	40.93	84.3	.0461	.8036	19.13.3	D	7 12 ,,
4	18.327	19.24	83.7	41.19	83.8	.0432	.8064	19.14.7	D	8 12 ,,
5	18.532	19.43	83.7	41.26	83.7	.0473	.8072	19.14.5	L	9 12 ,,
6	19.013	19.44	83.2	41.37	83.7	.0475	.8084	19.14.9	L	10 12 ,,
7	19.218	19.41	83.0	41.45	83.5	.0473	.8093	19.15.4	L	11 12 ,,
8	19.218	19.44	83.0	41.48	83.4	.0475	.8096	19.15.4	L	Midnight.
9	19.287	19.53	83.2	41.47	83.8	.0489	.8095	19.15.2	N	1 12 a. m.
10	19.081	19.52	83.1	41.46	83.7	.0489	.8094	19.15.1	N	2 12 ,,
11	19.287	19.46	83.0	41.51	83.7	.0479	.8100	19.15.6	N	3 12 ,,

On the 29th, at about 18h., Dip as obtained by Observation was 19°17'5.
On the 30th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST MAY TO 3RD JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
MAY 31ST—12	19°218	19.52	83°0	41.51	83°7	8.0489	2.8100	19°15′4	N	4 12 a.m.
13	19.493	19.53	83.1	41.56	83.6	.0489	.8105	19.15.6	D	5 12 „
14	20.659	19.56	83.3	41.61	83.7	.0495	.8111	19.15.7	D	6 12 „
15	20.659	19.61	83.8	41.49	84.1	.0503	.8097	19.15.2	D	7 12 „
16	20.385	19.76	84.3	40.95	84.9	.0528	.8038	19.12.5	D	8 12 „
17	19.493	20.05	85.2	40.69	85.0	.0575	.8009	19.10.7	N	9 12 „
18	18.670	20.30	86.3	40.38	85.9	.0616	.7975	19.08.8	L	10 12 „
19	17.984	20.39	87.0	40.09	86.2	.0630	.7943	19.07.5	L	11 12 „
20	17.641	20.31	87.0	39.98	86.6	.0617	.7931	19.07.1	L	Noon.
21	17.984	20.18	87.2	39.91	87.1	.0596	.7924	19.07.0	L	1 12 p.m.
22	18.532	20.02	87.4	39.78	87.6	.0571	.7909	19.06.9	L	2 12 „
23	18.258	19.88	87.4	39.69	89.6	.0546	.7899	19.06.7	N	3 12 „
JUNE 2ND—Noon	19.013	19.41	82.5	40.86	83.6	.0470	.8028	19.12.9	D	4 12 „
1	19.356	19.29	82.2	41.05	83.2	.0440	.8049	19.14.1	D	5 12 „
2	19.081	19.35	82.0	41.18	82.8	.0461	.8063	19.14.3	D	6 12 „
3	18.327	19.38	81.9	41.23	82.5	.0465	.8069	19.14.4	D	7 12 „
4	17.984	19.49	81.7	41.32	82.2	.0483	.8079	19.14.7	D	8 12 „
5	18.395	19.49	81.2	41.46	82.0	.0483	.8094	19.15.3	N	9 12 „
6	18.601	19.50	81.2	41.56	82.0	.0485	.8105	19.15.6	N	10 12 „
7	19.013	19.50	81.2	41.65	81.8	.0485	.8115	19.16.0	N	11 12 „
8	19.493	19.37	81.1	41.75	81.6	.0465	.8126	19.16.7	N	Midnight.
9	19.493	19.37	81.2	41.71	82.0	.0465	.8122	19.16.5	L	1 12 a.m.
10	19.424	19.32	81.6	41.70	82.0	.0457	.8121	19.16.6	L	2 12 „
11	19.424	19.48	81.9	41.57	82.2	.0481	.8106	19.15.8	L	3 12 „
12	19.218	19.40	81.6	41.51	82.0	.0470	.8100	19.15.7	L	4 12 „
13	19.424	19.57	81.8	41.75	81.8	.0497	.8126	19.16.3	D	5 12 „
14	19.630	19.55	81.5	41.70	81.7	.0493	.8121	19.16.2	D	6 12 „
15	20.796	19.66	81.8	41.66	82.0	.0512	.8116	19.15.8	D	7 12 „
16	20.796	19.69	82.2	41.52	82.4	.0516	.8101	19.15.0	D	8 12 „
17	19.767	19.81	82.8	40.78	82.7	.0535	.8019	19.11.6	N	9 12 „
18	18.189	19.96	82.8	40.48	82.7	.0551	.7986	19.10.1	N	10 12 „
19	17.023	20.09	83.3	40.49	83.0	.0571	.7987	19.09.0	N	11 12 „
20	16.131	19.91	83.1	40.68	82.6	.0552	.8008	19.11.0	N	Noon.
21	17.092	19.84	83.0	40.92	82.2	.0535	.8035	19.11.3	L	1 12 p.m.
22	17.160	19.57	82.4	41.23	82.2	.0497	.8069	19.14.0	L	2 12 „
23	17.641	19.32	81.4	41.37	81.6	.0457	.8084	19.15.1	L	3 12 „
JUNE 3RD—Noon	18.052	19.12	81.5	41.50	81.7	.0424	.8099	19.16.2	L	4 12 „
1	18.807	19.02	81.1	41.40	81.8	.0407	.8088	19.16.0	D	5 12 „
2	18.395	19.16	81.8	41.31	82.0	.0430	.8078	19.15.3	D	6 12 „
3	18.327	19.35	82.0	41.27	82.2	.0461	.8073	19.14.7	D	7 12 „
4	18.327	19.31	81.8	41.18	82.5	.0454	.8063	19.14.4	D	8 12 „
5	18.258	19.38	81.8	41.25	82.2	.0465	.8071	19.14.5	N	9 12 „
6	18.532	19.24	80.7	41.29	81.2	.0432	.8075	19.15.2	N	10 12 „
7	18.807	19.32	80.6	41.44	81.2	.0457	.8092	19.15.4	N	11 12 „
8	18.875	19.30	80.5	41.44	81.2	.0453	.8092	19.15.5	N	Midnight.
9	19.013	19.34	80.6	41.47	81.0	.0459	.8095	19.15.6	L	1 12 a.m.
10	19.218	19.35	80.7	41.51	81.1	.0461	.8106	19.15.8	L	2 12 „
11	19.081	19.32	80.7	41.47	81.1	.0457	.8095	19.15.6	L	3 12 „
12	19.424	19.28	80.7	41.46	81.2	.0438	.8094	19.15.8	L	4 12 „
13	19.973	19.22	80.6	41.39	81.3	.0432	.8086	19.15.6	D	5 12 „
14	20.659	19.25	80.5	41.53	81.0	.0434	.8102	19.16.2	D	6 12 „
15	20.796	19.55	80.7	41.64	81.2	.0493	.8114	19.15.9	D	7 12 „
16	20.385	19.67	81.1	41.15	81.7	.0514	.8060	19.13.6	D	8 12 „
17	19.699	20.00	82.0	40.92	82.0	.0567	.8035	19.11.9	N	9 12 „
18	18.875	20.23	83.0	40.48	82.8	.0604	.7986	19.09.5	N	10 12 „
19	17.229	20.31	83.8	39.98	83.0	.0617	.7931	19.07.1	N	11 12 „
20	16.131	20.28	84.3	39.98	83.8	.0612	.7927	19.07.2	N	Noon.
21	15.926	20.22	84.5	39.90	83.9	.0604	.7923	19.07.1	L	1 12 p.m.
22	16.337	20.21	84.6	39.97	84.1	.0601	.7930	19.07.4	L	2 12 „
23	17.092	19.86	84.6	40.02	84.5	.0544	.7936	19.08.4	L	3 12 „

On the 2nd, at about 18h., Dip as obtained by Observation was 19°09′2.

DAILY OBSERVATIONS FROM 4TH TO 6TH JUNE 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.								° '		h. m.
JUNE 4TH-Noon	17'846	19.68	84°0	40.00	84°0	8.0514	2.7934	19°08'7	L	4 12 p. m.
1	18.189	19.40	83.6	40.02	83.9	.0469	7936	19.09.3	D	5 12 „
2	18.327	19.12	83.0	39.92	83.2	.0422	.7925	19.09.5	D	6 12 „
3	17.846	19.01	82.8	39.99	83.1	.0408	.7932	19.09.7	D	7 12 „
4	18.327	18.95	82.7	40.19	83.0	.0395	.7954	19.10.9	D	8 12 „
5	18.464	19.00	82.5	40.15	83.1	.0403	.7950	19.10.8	N	9 12 „
6	18.738	19.03	82.4	40.19	83.0	.0407	.7954	19.10.8	N	10 12 „
7	18.895	19.04	82.1	40.27	83.0	.0409	.7963	19.11.1	N	11 12 „
8	19.150	19.05	82.1	40.29	83.0	.0411	.7965	19.11.2	N	Midnight.
9	19.424	19.07	82.1	40.24	82.8	.0415	.7960	19.10.8	L	1 12 a. m.
10	19.356	19.06	82.1	40.22	82.8	.0413	.7958	19.11.0	L	2 12 „
11	19.541	18.96	82.0	40.45	82.2	.0397	.7983	19.12.0	L	3 12 „
12	19.081	18.68	81.4	40.45	82.0	.0350	.7983	19.12.6	L	4 12 „
13	19.699	18.89	81.2	40.45	81.8	.0385	.7983	19.12.1	D	5 12 „
14	20.042	19.28	81.4	40.40	81.7	.0438	.7978	19.11.3	D	6 12 „
15	20.453	19.34	81.7	40.66	82.1	.0459	.8006	19.12.1	D	7 12 „
16	20.042	19.52	82.1	40.38	82.6	.0489	.7975	19.10.5	D	8 12 „
17	19.767	19.73	82.9	40.12	82.3	.0522	.7947	19.09.1	N	9 12 „
18	19.150	19.98	83.9	39.69	83.0	.0563	.7899	19.06.6	N	10 12 „
19	17.984	20.13	84.5	39.31	83.8	.0588	.7858	19.04.7	N	11 12 „
20	16.817	20.22	85.1	39.13	84.2	.0604	.7838	19.03.8	N	Noon.
21	16.612	20.23	86.1	39.01	85.4	.0604	.7825	19.03.3	L	1 12 p. m.
22	16.680	19.99	85.6	39.06	85.3	.0565	.7830	19.03.9	L	2 12 „
23	17.229	19.48	83.1	39.27	84.0	.0483	.7853	19.06.0	L	3 12 „
JUNE 5TH-Noon	18.121	19.23	82.4	39.59	83.7	.0430	.7888	19.07.9	L	4 12 „
1	17.915	19.11	81.8	39.80	83.2	.0421	.7932	19.08.9	D	5 12 „
2	17.572	18.86	81.3	40.04	83.1	.0381	.7938	19.10.6	D	6 12 „
3	17.641	18.99	81.2	40.08	82.8	.0401	.7942	19.10.4	D	7 12 „
4	17.984	18.74	80.9	40.18	82.5	.0360	.7953	19.11.4	D	8 12 „
5	18.121	19.14	80.5	40.53	81.0	.0426	.7992	19.11.9	N	9 12 „
6	18.052	19.12	80.6	40.73	81.0	.0424	.8014	19.12.9	N	10 12 „
7	18.664	19.16	80.8	40.68	81.0	.0430	.8008	19.12.6	N	11 12 „
8	18.807	19.18	80.9	40.69	81.2	.0432	.8009	19.12.6	N	Midnight.
9	19.150	19.14	80.8	40.69	81.2	.0426	.8009	19.12.6	L	1 12 a. m.
10	19.081	19.16	80.7	40.68	81.1	.0430	.8008	19.12.6	L	2 12 „
11	18.944	19.14	80.6	40.69	81.0	.0426	.8009	19.12.6	L	3 12 „
12	19.218	19.16	80.2	40.75	80.9	.0430	.8016	19.12.9	L	4 12 „
13	19.081	19.17	80.1	40.77	80.7	.0432	.8018	19.13.0	D	5 12 „
14	19.356	19.24	80.2	40.92	80.8	.0432	.8035	19.13.7	D	6 12 „
15	20.590	19.23	80.2	40.92	80.7	.0432	.8035	19.13.7	D	7 12 „
16	20.796	19.40	80.0	40.82	80.6	.0469	.8024	19.12.7	D	8 12 „
17	20.247	19.51	79.8	40.65	80.0	.0486	.8005	19.11.7	N	9 12 „
18	19.287	19.73	79.9	40.40	80.0	.0522	.7978	19.10.2	N	10 12 „
19	18.395	19.98	80.6	40.55	80.2	.0563	.7972	19.09.4	N	11 12 „
20	17.023	20.00	81.7	40.03	81.0	.0567	.7937	19.08.1	N	Noon.
21	16.955	19.96	82.3	40.06	81.9	.0561	.7940	19.08.3	L	1 12 p. m.
22	17.641	19.80	82.9	40.00	82.5	.0534	.7934	19.08.4	L	2 12 „
23	18.052	19.63	83,0	39.84	82.9	.0506	.7916	19.08.0	L	3 12 „
JUNE 6TH-Noon	17.846	19.44	82.7	39.67	83.0	.0475	.7879	19.07.7	L	4 12 „
1	18.052	19.39	82.7	39.78	82.7	.0467	.7909	19.08.2	D	5 12 „
2	18.258	19.32	82.6	39.97	82.8	.0457	.7930	19.09.2	D	6 12 „
3	17.641	19.27	82.1	39.83	82.7	.0448	.7915	19.08.7	D	7 12 „
4	17.572	19.25	82.0	39.78	82.6	.0444	.7909	19.08.6	D	8 12 „
5	17.846	19.14	81.9	39.78	82.5	.0426	.7909	19.08.7	N	9 12 „
6	18.189	19.08	81.8	39.84	82.4	.0415	.7916	19.09.1	N	10 12 „
7	18.601	19.16	81.8	39.89	82.2	.0430	.7921	19.09.2	N	11 12 „
8	18.807	19.28	81.9	39.89	82.4	.0438	.7921	19.09.1	N	Midnight.
9	18.944	19.26	82.0	39.85	82.2	.0436	.7917	19.09.0	L	1 12 a. m.
10	19.150	19.33	82.1	39.82	82.5	.0457	.7914	19.08.5	L	2 12 „
11	19.013	19.27	81.8	39.77	82.2	.0448	.7908	19.08.4	L	3 12 „

On the 5th, at about 19h., Dip as obtained by Observation was 19°04'2.
On the 6th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 9TH JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
June 6th—12	19°013	19.25	81°7	39.84	82°0	8.0444	2.7916	19°08'9	L	4 12 a. m.
13	19.356	18.97	80.1	40.05	81.5	.0399	.7939	19.10.3	D	5 12 „
14	19.699	19.12	80.1	40.18	81.1	.0434	.7953	19.10.5	D	6 12 „
15	20.385	19.36	80.8	40.89	81.2	.0463	.7976	19.10.9	D	7 12 „
16	20.796	19.40	80.5	40.34	81.3	.0469	.7971	19.10.6	D	8 12 „
17	20.659	19.63	81.0	40.14	81.3	.0506	.7949	19.09.3	N	9 12 „
18	19.973	19.74	81.8	39.88	81.9	.0524	.7920	19.08.0	N	10 12 „
19	19.424	19.83	82.0	39.66	82.1	.0538	.7896	19.06.8	N	11 12 „
20	18.807	19.85	83.0	39.48	82.7	.0542	.7866	19.05.6	N	Noon.
21	18.052	19.93	83.6	39.26	83.2	.0555	.7852	19.04.8	L	1 12 p. m.
22	17.778	19.80	83.6	39.14	83.1	.0534	.7839	19.04.7	L	2 12 „
23	17.846	19.57	83.4	39.15	83.1	.0495	.7840	19.05.2	L	3 12 „
June 8th-Noon	17.984	19.22	84.6	38.34	84.7	.0430	.7751	19.02.7	L	4 12 „
1	18.121	19.29	84.7	38.26	84.7	.0440	.7742	19.02.1	L	5 12 „
2	17.984	19.11	83.9	38.20	84.1	.0421	.7736	19.02.1	L	6 12 „
3	17.778	19.02	83.1	38.56	83.9	.0407	.7775	19.03.8	L	7 12 „
4	17.846	19.02	83.0	38.69	83.8	.0407	.7789	19.04.3	L	8 12 „
5	18.258	19.01	82.8	38.81	83.7	.0404	.7803	19.05.0	N	9 12 „
6	18.532	19.01	82.8	38.83	83.6	.0404	.7805	19.05.1	N	10 12 „
7	18.670	19.04	82.9	39.81	83.6	.0409	.7913	19.09.2	N	11 12 „
8	18.964	19.18	83.1	39.81	83.5	.0432	.7913	19.08.9	N	Midnight.
9	18.738	19.30	83.0	38.75	83.4	.0453	.7796	19.04.0	D	1 12 a. m.
10	19.013	19.31	82.8	38.80	83.3	.0454	.7802	19.04.2	D	2 12 „
11	18.944	19.30	82.6	39.01	83.6	.0454	.7825	19.05.2	D	3 12 „
12	19.013	19.16	83.3	38.81	83.7	.0430	.7803	19.04.6	D	4 12 „
13	19.218	19.12	83.1	38.76	83.5	.0424	.7797	19.04.5	D	5 12 „
14	20.385	19.04	81.7	39.11	83.5	.0409	.7836	19.06.2	D	6 12 „
15	21.002	19.04	81.2	39.53	82.5	.0409	.7871	19.07.5	D	7 12 „
16	22.101	19.14	81.2	39.52	82.2	.0426	.7870	19.07.2	D	8 12 „
17	21.071	19.23	80.6	39.26	82.0	.0432	.7852	19.06.5	N	9 12 „
18	19.566	19.61	80.3	39.30	81.5	.0503	.7857	19.05.9	N	10 12 „
19	18.738	19.81	80.2	39.63	81.0	.0535	.7893	19.06.7	N	11 12 „
20	18.601	19.69	79.8	39.53	81.0	.0516	.7882	19.06.4	N	Noon.
21	18.189	19.61	80.7	39.73	81.1	.0503	.7904	19.07.6	L	1 12 p. m.
22	18.052	19.56	81.4	39.55	81.7	.0495	.7884	19.06.8	L	2 12 „
23	18.052	19.21	80.4	39.58	81.2	.0427	.7887	19.07.9	L	3 12 „
June 9th-Noon	17.846	19.04	79.9	39.77	80.9	.0409	.7908	19.09.0	L	4 12 „
1	17.984	18.99	80.7	39.71	80.2	.0401	.7902	19.08.8	D	5 12 „
2	18.052	18.85	80.5	39.80	80.0	.0379	.7912	19.09.5	D	6 12 „
3	18.327	18.72	80.1	39.84	79.8	.0358	.7916	19.09.9	D	7 12 „
4	17.709	18.75	79.5	39.99	80.3	.0362	.7932	19.10.5	D	8 12 „
5	17.984	18.99	79.8	39.99	80.3	.0401	.7932	19.10.0	N	9 12 „
6	18.121	18.89	79.6	40.08	80.5	.0385	.7942	19.10.5	N	10 12 „
7	18.189	18.98	78.8	40.20	80.0	.0399	.7956	19.11.0	N	11 12 „
8	18.875	19.02	78.8	40.25	79.9	.0407	.7961	19.11.0	N	Midnight.
9	18.851	18.91	78.5	40.23	79.6	.0388	.7959	19.11.2	L	1 12 a. m.
10	18.532	18.98	78.4	40.30	79.2	.0399	.7967	19.11.4	L	2 12 „
11	18.807	19.07	79.6	40.30	80.0	.0405	.7967	19.11.3	L	3 12 „
12	18.944	19.17	81.0	40.00	80.6	.0432	.7934	19.09.7	L	4 12 „
13	19.013	19.09	81.7	40.08	80.9	.0417	.7942	19.10.1	D	5 12 „
14	19.630	19.15	81.8	39.93	81.0	.0428	.7926	19.09.4	D	6 12 „
15	20.110	19.23	81.9	39.64	81.3	.0432	.7894	19.08.1	D	7 12 „
16	19.424	19.33	82.1	39.51	82.1	.0457	.7880	19.07.2	D	8 12 „
17	19.013	19.32	80.3	39.33	81.0	.0457	.7860	19.06.0	N	9 12 „
18	18.395	19.47	80.2	39.38	81.1	.0481	.7865	19.06.4	N	10 12 „
19	17.641	19.45	80.1	39.23	81.1	.0477	.7849	19.05.8	N	11 12 „
20	16.886	19.68	81.8	39.16	82.0	.0514	.7841	19.05.1	N	Noon.
21	16.680	19.60	82.6	38.97	82.6	.0502	.7820	19.04.4	L	1 12 p. m.
22	17.503	19.50	83.5	38.84	83.4	.0485	.7806	19.03.9	L	2 12 „
23	18.258	19.58	84.0	38.81	83.5	.0497	.7781	19.02.8	L	3 12 „

On the 9th, at about 18h., Dip as obtained by Observation was 19°07'2.

DAILY OBSERVATIONS FROM 10TH TO 12TH JUNE 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JUNE 10TH-Noon	18·464	19.21	83°2	38.40	83°3	8.0427	2.7758	19°02'9	L	4 12 p. m.
1	18.327	19.34	83.7	38.46	83.5	.0459	.7764	19.02.6	D	5 12 ,,
2	17.641	19.35	83.5	38.30	83.3	.0461	.7747	19.02.1	D	6 12 ,,
3	17.366	19.33	83.2	38.21	83.7	.0457	.7737	19.01.7	D	7 12 ,,
4	17.641	19.34	83.2	38.21	83.5	.0459	.7737	19.01.7	D	8 12 ,,
5	17.778	19.42	83.3	38.21	83.5	.0473	.7737	19.01.6	N	9 12 ,,
6	17.641	19.48	83.3	38.21	83.5	.0481	.7737	19.01.5	N	10 12 ,,
7	18.532	18.96	83.2	38.23	83.5	.0397	.7739	19.02.5	N	11 12 ,,
8	19.356	18.96	83.2	38.23	83.5	.0397	.7739	19.02.5	N	Midnight.
9	19.287	18.99	83.3	38.16	83.7	.0401	.7731	19.02.2	L	1 12 a. m.
10	18.738	18.81	80.9	38.17	82.3	.0372	.7732	19.02.6	L	2 12 ,,
11	19.561	18.67	79.4	38.48	81.1	.0350	.7766	19.04.1	L	3 12 ,,
12	18.909	18.67	79.7	38.73	81.0	.0350	.7794	19.05.2	L	4 12 ,,
13	19.013	18.57	79.6	38.83	80.9	.0333	.7805	19.06.0	D	5 12 ,,
14	20.316	18.67	80.1	39.03	81.1	.0350	.7827	19.06.6	D	6 12 ,,
15	20.042	18.67	80.3	39.23	81.1	.0350	.7849	19.07.4	D	7 12 ,,
16	19.973	19.08	81.9	39.05	81.8	.0415	.7829	19.05.7	D	8 12 ,,
17	19.081	19.20	82.0	38.50	82.0	.0426	.7769	19.03.2	N	9 12 ,,
18	18.601	18.96	82.3	38.17	82.2	.0397	.7732	19.02.2	N	10 12 ,,
19	17.229	19.45	83.0	37.84	83.0	.0477	.7696	18.59.8	N	11 12 ,,
20	16.269	19.67	84.0	37.68	83.9	.0514	.7678	18.58.7	N	Noon.
21	16.680	19.70	85.1	37.39	84.8	.0518	.7646	18.57.3	L	1 12 p. m.
22	17.023	19.49	85.3	37.28	84.8	.0483	.7634	18.57.4	L	2 12 ,,
23	17.229	19.17	85.3	37.31	84.9	.0432	.7638	18.58.2	L	3 12 ,,
JUNE 11TH-Noon	18.052	19.06	85.4	37.27	85.0	.0413	.7633	18.58.3	L	4 12 ,,
1	18.052	19.07	85.1	37.24	84.8	.0415	.7630	18.58.0	D	5 12 ,,
2	18.327	18.79	84.9	37.19	84.5	.0368	.7624	18.58.4	D	6 12 ,,
3	17.572	18.84	84.5	37.08	84.2	.0377	.7612	18.57.8	D	7 12 ,,
4	18.258	18.65	84.2	37.10	84.9	.0346	.7615	18.58.3	D	8 12 ,,
5	18.807	18.75	84.0	37.24	84.8	.0362	.7630	18.58 8	N	9 12 ,,
6	18.807	18.72	83.8	37.24	84.5	.0367	.7630	18.58.7	N	10 12 ,,
7	18.807	18.76	83.8	37.34	84.5	.0373	.7641	18.59.1	N	11 12 ,,
8	19.081	18.72	83.6	37.43	84.3	.0367	.7651	18.59.5	N	Midnight.
9	19.493	18.69	83.5	37.40	84.0	.0360	.7648	18.59.5	L	1 12 a. m.
10	19.287	18.92	83.5	37.37	84.0	.0391	.7644	18.58.9	L	2 12 ,,
11	19.493	18.85	83.2	37.44	83.9	.0379	.7652	18.59.4	L	3 12 ,,
12	19.493	18.97	83.3	37.44	83.9	.0399	.7652	18.59.1	L	4 12 ,,
13	19.973	19.11	83.3	37.52	84.1	.0421	.7661	18.59.1	D	5 12 ,,
14	20.796	19.06	83.3	37.53	84.3	.0413	.7662	18.59.3	D	6 12 ,,
15	20.659	19.18	83.4	37.42	84.5	.0432	.7650	18.58.7	D	7 12 ,,
16	20.385	19.25	84.2	37.15	84.9	.0434	.7620	18.57.5	D	8 12 ,,
17	19.218	19.47	84.8	36.84	84.9	.0481	.7586	18.55.5	N	9 12 ,,
18	18.601	19.55	85.7	36.46	85.4	.0493	.7544	18.53.7	N	10 12 ,,
19	18.121	19.55	86.2	36.18	86.0	.0493	.7513	18.52.5	N	11 12 ,,
20	17.023	19.67	86.9	35.80	86.8	.0514	.7472	18.50.6	N	Noon.
21	16.955	19.66	87.2	35.63	87.0	.0512	.7453	18.50.0	L	1 12 p. m.
22	17.572	19.61	87.5	35.77	87.2	.0503	.7468	18.50.6	L	2 12 ,,
23	17.778	19.41	87.3	35.67	87.2	.0470	.7457	18.50.7	L	3 12 ,,
JUNE 12TH-Noon	18.464	19.20	87.2	35.62	87.3	.0426	.7452	18.50.9	L	4 12 ,,
1	18.327	19.11	86.8	35.56	87.1	.0421	.7445	18.50.8	D	5 12 ,,
2	18.052	19.07	86.1	35.46	87.0	.0415	.7434	18.50.3	D	6 12 ,,
3	17.984	18.91	85.8	35.54	86.4	.0388	.7443	18.51.1	D	7 12 ,,
4	18.052	18.84	85.2	35.69	86.2	.0377	.7459	18.51.9	D	8 12 ,,
5	18.258	18.90	85.0	35.88	86.0	.0387	.7480	18.52.5	N	9 12 ,,
6	18.464	18.85	84.8	35.87	85.8	.0379	.7479	18.52.6	N	10 12 ,,
7	18.670	18.87	84.6	36.16	85.3	.0391	.7511	18.53.7	N	11 12 ,,
8	18.944	18.90	84.5	36.35	85.1	.0387	.7532	18.54.5	N	Midnight.
9	19.013	18.90	84.3	36.45	85 0	.0387	.7543	18.55.0	L	1 12 a. m.
10	19.218	18.89	84.2	36.55	84.9	.0385	.7554	18.55.4	L	2 12 ,,
11	19.287	18.82	84.0	36.59	84.7	.0375	.7558	18.55.8	L	3 12 ,,

On the 12th, at about 18h., Dip as obtained by Observation was 19°05'0.
On the 12th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 12TH TO 15TH JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
June 12th—12	18·875	18.87	84·0	36.62	84·6	8.0383	2.7562	18°55′8	L	4 12 a. m.
13	19.013	18.96	83.8	36.64	84.5	.0397	.7564	18.55.6	D	5 12 „
14	20.042	18.98	83.9	36.84	84.8	.0383	.7586	18.56.8	D	6 12 „
15	20.247	19.14	84.2	36.90	84.9	.0426	.7593	18.56.4	D	7 12 „
16	20.110	19.40	85.0	36.71	85.2	.0469	.7572	18.55.0	D	8 12 „
17	19.493	19.62	85.6	36.35	85.5	.0506	.7532	18.53.0	N	9 12 „
18	19.493	19.67	86.3	36.18	86.0	.0514	.7513	18.52.3	N	10 12 „
19	18.218	19.80	87.0	35.83	86.9	.0534	.7475	18.50.5	N	11 12 „
20	18.429	19.91	87.8	35.42	87.2	.0552	.7430	18.48.5	N	Noon.
21	18.052	19.76	88.0	35.28	87.7	.0528	.7414	18.48.1	L	1 12 p. m.
22	17.915	19.69	88.5	35.06	88.2	.0516	.7390	18.47.3	L	2 12 „
23	17.846	19.55	88.4	30.00	88.4	.0493	.7384	18.47.4	L	3 12 „
June 13th—Noon	18.532	19.47	88.3	34.91	88.8	.0481	.7374	18.47.2	L	4 12 „
1	18.464	19.31	87.8	34.92	88.1	.0454	.7375	18.47.6	D	5 12 „
2	18.327	19.25	86.8	34.85	87.7	.0434	.7367	18.47.6	D	6 12 „
3	18.052	19.24	86.2	35.40	87.3	.0432	.7428	18.50.0	D	7 12 „
4	18.052	19.05	86.0	35.71	86.9	.0411	.7462	18.51.5	D	8 12 „
5	18.395	19.00	85.5	35.90	86.5	.0403	.7483	18.52.5	N	9 12 „
6	18.670	18.99	85.2	36.08	86.1	.0401	.7502	18.53.2	N	10 12 „
7	19.013	18.95	85.0	36.18	86.0	.0395	.7513	18.53.7	N	11 12 „
8	19.287	19.05	85.0	36.38	85.9	.0411	.7577	18.54.6	N	Midnight.
9	19.356	19.02	85.0	36.49	85.6	.0407	.7547	18.54.7	L	1 12 a. m.
10	19.356	19.01	84.7	36.58	85.4	.0404	.7557	18.55.5	L	2 12 „
11	19.287	19.05	84.6	36.71	85.2	.0411	.7572	18.55.8	L	3 12 „
12	19.218	19.03	84.4	36.77	85.0	.0410	.7578	18.56.1	L	4 12 „
13	19.424	19.09	84.2	37.25	85.0	.0417	.7631	18.58.0	D	5 12 „
14	20.316	18.99	84.2	37.62	85.6	.0401	.7672	18.59.8	D	6 12 „
15	20.453	19.20	84.5	37.58	85.9	.0426	.7667	18.59.3	D	7 12 „
16	20.316	19.56	85.3	37.34	86.2	.0495	.7641	18.57.4	D	8 12 „
17	19.150	19.79	86.2	36.86	86.1	.0532	.7588	18.54.9	N	9 12 „
18	18.258	19.97	87.0	36.51	86.9	.0563	.7550	18.53.1	N	10 12 „
19	17.298	20.22	87.7	36.22	87.2	.0588	.7518	18.51.4	N	11 12 „
20	17.092	20.24	88.2	36.24	88.0	.0606	.7520	18.51.3	N	Noon.
21	17.092	20.13	88.7	36.05	88.2	.0596	.7499	18.50.5	L	1 12 p. m.
22	17.915	19.75	88.7	35.81	88.8	.0526	.7473	18.50.4	L	2 12 „
23	18.258	19.50	88.9	35.65	88.9	.0485	.7455	18.50.3	L	3 12 „
June 15th—Noon	18.327	19.49	87.9	36.17	88.9	.0483	.7512	18.52.6	D	4 12 „
1	19.013	19.33	87.7	36.21	88.5	.0457	.7517	18.53.1	D	5 12 „
2	18.807	19.33	87·1	36.14	88.1	.0457	.7509	18.52.7	D	6 12 „
3	18.327	19.14	86.7	36.21	87.8	.0426	.7517	18.53.5	D	7 12 „
4	18.327	19.26	86.2	36.55	86.7	.0436	.7554	18.54.8	D	8 12 „
5	17.984	19.21	85.8	36.69	86.2	.0427	.7569	18.55.4	N	9 12 „
6	18.532	19.08	85.4	37.28	86.0	.0415	.7634	18.58.1	N	10 12 „
7	18.736	19.09	85.2	37.49	85.7	.0417	.7657	18.59.1	N	11 12 „
8	19.013	19.15	85.0	37.56	85.3	.0428	.7665	18.59.2	N	Midnight.
9	19.218	19.24	85.0	37.68	85.3	.0432	.7678	18.59.7	L	1 12 a. m.
10	19.150	19.27	84.9	37.74	85.3	.0438	.7685	18.59.9	L	2 12 „
11	19.356	19.15	84.7	37.85	85.0	.0428	.7697	19.00.5	L	3 12 „
12	19.289	19.17	84.6	37.91	85.0	.0432	.7704	19.00.7	L	4 12 „
13	18.944	19.13	84.4	37.94	84.8	.0434	.7707	19.00.9	D	5 12 „
14	20.590	19.54	84.7	38.04	85.0	.0491	.7718	19.00.5	D	6 12 „
15	20.865	19.74	85.2	38.12	85.7	.0524	.7727	19.00.5	D	7 12 „
16	20.385	19.99	85.7	37.58	85.9	.0565	.7667	18.57.5	D	8 12 „
17	18.327	19.90	86.1	37.18	86.0	.0551	.7623	18.56.0	N	9 12 „
18	17.572	20.05	86.5	37.08	86.1	.0575	.7612	18.55.2	N	10 12 „
19	16.612	20.06	86.8	36.89	86.4	.0577	.7591	18.54.4	N	11 12 „
20	16.063	20.08	87.4	36.61	87.0	.0579	.7561	18.53.2	N	Noon.
21	16.063	20.10	88.0	36.93	87.7	.0584	.7596	18.54.6	L	1 12 p. m.
22	16.817	19.77	86.8	37.03	87.1	.0532	.7607	18.55.7	L	2 12 „
23	17.709	19.63	87.4	37.20	87.2	.0506	.7626	18.56.7	L	3 12 „

DAILY OBSERVATIONS FROM 16TH TO 18TH JUNE 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JUNE 16TH—Noon	17·915	19.52	97°6	36.96	87°9	8.0489	2.7599	18°55′8	L	4 12 p. m.
1	18.052	19.41	87.1	36.73	87.8	.0470	.7574	18.55.1	D	5 12 „
2	18.121	19.37	86.6	36.77	87.3	.0465	.7578	18.55.3	D	6 12 „
3	17.984	19.36	85.8	36.95	86.7	.0463	.7578	18.56.2	D	7 12 „
4	18.189	19.23	85.4	37.27	85.8	.0432	.7633	18.58.0	D	8 12 „
5	18.464	19.06	85.0	37.56	85.3	.0413	.7665	18.59.5	N	9 12 „
6	18.807	19.06	84.5	37.67	85.0	.0413	.7677	19.00.0	N	10 12 „
7	19.081	19.11	84.5	37.75	84.9	.0421	.7686	19.00.1	N	11 12 „
8	19.150	19.18	84.7	37.85	85.0	.0432	.7697	19.00.5	N	Midnight.
9	19.287	19.31	84.7	37.88	85.0	.0454	.7700	19.00.3	L	1 12 a. m.
10	19.493	19.37	84.7	37.95	85.0	.0465	.7708	19.00.4	L	2 12 „
11	19.287	19.51	84.6	37.97	84.8	.0486	.7710	19.00.2	L	3 12 „
12	19.356	19.44	84.4	38.02	84.7	.0475	.7716	19.00.6	L	4 12 „
13	20.042	19.61	84.5	38.14	84.5	.0503	.7729	19.00.8	D	5 12 „
14	21.071	19.35	84.2	38.23	84.3	.0461	.7739	19.01.7	D	6 12 „
15	21.071	19.52	84.1	38.24	84.6	.0489	.7740	19.01.4	D	7 12 „
16	20.728	19.75	84.5	38.14	84.8	.0526	.7729	19.00.4	D	8 12 „
17	19.767	19.93	85.3	37.97	85.0	.0555	.7710	18.59.3	N	9 12 „
18	18.395	20.09	85.8	37.46	85.4	.0531	.7654	18.56.9	N	10 12 „
19	17.023	20.11	86.5	37.23	86.0	.0585	.7629	18.55.7	N	11 12 „
20	16.612	20.17	87.2	37.11	87.0	.0596	.7616	18.55.1	N	Noon.
21	16.543	20.02	87.2	37.19	87.0	.0571	.7624	18.55.8	L	1 12 p. m.
22	17.160	19.84	87.2	37.33	87.0	.0540	.7640	18.56.9	L	2 12 „
23	18.052	19.64	87.6	37.23	87.6	.0508	.7629	18.56.8	L	3 12 „
JUNE 17TH—Noon	18.601	19.44	87.2	36.95	87.6	.0475	.7598	18.56.0	L	4 12 „
1	18.327	19.40	87.0	36.70	86.8	.0469	.7571	18.55.0	D	5 12 „
2	18.327	19.27	86.1	36.85	86.5	.0438	.7587	18.56.1	D	6 12 „
3	18.121	19.16	85.8	37.09	86.3	.0430	.7613	18.57.2	D	7 12 „
4	18.121	19.04	85.7	37.28	86.0	.0409	.7634	18.58.3	D	8 12 „
5	18.121	19.06	85.2	37.17	85.8	.0413	.7622	18.57.8	N	9 12 „
6	18.189	19.02	85.1	37.27	85.5	.0407	.7633	18.58.3	N	10 12 „
7	19.218	18.75	84.9	37.36	85.2	.0358	.7643	18.59.3	N	11 12 „
8	19.767	18.68	84.8	37.45	85.1	.0340	.7653	19.00.0	N	Midnight.
9	19.424	18.85	84.6	37.38	84.9	.0379	.7656	18.59.6	L	1 12 a. m.
10	19.630	18.85	84.2	38.12	84.6	.0379	.7727	19.00.4	L	2 12 „
11	19.699	18.84	84.1	38.25	84.4	.0377	.7741	19.02.9	L	3 12 „
12	19.081	18.91	83.9	38.30	84.1	.0388	.7747	19.02.0	L	4 12 „
13	19.356	19.05	84.0	38.56	83.8	.0411	.7775	19.03.8	D	5 12 „
14	21.071	19.05	84.0	38.64	84.5	.0411	.7784	19.04.1	D	6 12 „
15	21.071	19.33	84.4	38.74	84.8	.0457	.7795	19.03.9	D	7 12 „
16	20.865	19.33	84.9	38.44	85.3	.0457	.7762	19.02.5	D	8 12 „
17	20.179	19.48	85.6	37.96	85.3	.0481	.7709	19.00.3	N	9 12 „
18	18.670	19.52	86.5	37.52	86.0	.0489	.7661	18.58.2	N	10 12 „
19	17.572	19.78	87.2	37.14	86.8	.0530	.7615	18.56.0	N	11 12 „
20	16.749	19.89	87.6	36.91	87.0	.0550	.7594	18.54.8	N	Noon.
21	16.886	19.87	88.0	36.95	87.6	.0546	.7598	18.55.0	L	1 12 p. m.
22	17.366	19.68	88.4	36.76	88.0	.0514	.7577	18.54.9	L	2 12 „
23	17.846	19.26	88.7	36.54	88.6	.0436	.7557	18.54.8	L	3 12 „
JUNE 18TH—Noon	18.052	19.25	88.5	36.31	88.7	.0434	.7528	18.53.9	L	4 12 „
1	17.984	19.17	87.8	36.26	88.5	.0432	.7522	18.53.6	D	5 12 „
2	18.327	19.14	87.2	36.35	88.2	.0426	.7532	18.54.0	D	6 12 „
3	18.052	19.09	86.7	36.43	87.6	.0417	.7541	18.54.5	D	7 12 „
4	18.052	18.94	86.2	36.66	87.1	.0393	.7566	18.55.8	D	8 12 „
5	18.601	18.92	85.9	36.92	86.8	.0391	.7595	18.57.0	N	9 12 „
6	18.532	18.96	85.5	37.19	86.2	.0397	.7624	18.58.0	N	10 12 „
7	18.807	19.00	85.3	37.28	86.0	.0403	.7634	18.58.4	N	11 12 „
8	19.081	19.07	85.2	37.40	85.9	.0415	.7648	18.58.7	N	Midnight.
9	19.013	19.07	85.1	37.49	85.6	.0415	.7657	18.59.1	L	1 12 a. m.
10	19.287	19.06	84.8	37.64	85.3	.0413	.7674	18.59.8	L	2 12 „
11	19.218	19.09	84.6	37.81	85.0	.0417	.7693	19.00.4	L	3 12 „

On the 16th, at about 18h., Dip as obtained by Observation was 18°59′7.

DAILY OBSERVATIONS FROM 18TH TO 20TH JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
June 18th—12	19'150	19.13	84°5	37.95	85°0	8.0426	2.7708	19°00'9	L	4 12 a. m.
13	19.699	19.19	84.7	38.15	85.1	.0434	.7730	19.01.8	D	5 12 „
14	20.385	19.24	84.7	38.33	85.4	.0432	.7750	19.02'6	D	6 12 „
15	21.071	19.33	84.9	38.29	85.7	.0459	.7745	19.02.0	D	7 12 „
16	20.659	19.65	85.7	38.08	86.0	.0510	.7722	19.00.4	D	8 12 „
17	19.424	19.78	86.7	37.57	86.3	.0530	.7666	18.57.9	N	9 12 „
18	18.464	19.88	87.5	37.27	87.0	.0546	.7633	18.56.4	N	10 12 „
19	17.984	19.95	88.2	36.93	87.7	.0569	.7596	18.54.7	N	11 12 „
20	16.955	20.12	89.5	36.70	88.0	.0588	.7571	18.53.4	N	Noon.
21	16.406	19.96	89.0	36.43	88.9	.0561	.7541	18.52.7	L	1 12 p. m.
22	16.612	19.85	89.3	36.30	89.2	.0542	.7527	18.52.5	L	2 12 „
23	17.092	19.66	89.2	36.22	89.4	.0512	.7518	18.52.5	L	3 12 „
June 19th—Noon	18.121	19.48	89.1	36.20	89.3	.0481	.7516	18.52.8	L	4 12 „
1	18.670	19.41	88.8	36.09	89.7	.0470	.7503	18.52.4	D	5 12 „
2	18.327	19.29	88.0	35.87	89.0	.0440	.7479	18.51.8	D	6 12 „
3	18.327	19.15	87.0	36.20	88.3	.0428	.7516	18.53.4	D	7 12 „
4	18.258	19.15	87.0	36.43	87.8	.0428	.7541	18.54.4	D	8 12 „
5	18.601	19.04	86.5	36.66	87.2	.0409	.7566	18.55.6	N	9 12 „
6	18.875	19.09	86.2	36.93	87.0	.0417	.7596	18.56.6	N	10 12 „
7	18.944	19.24	86.0	37.10	86.7	.0432	.7615	18.57.3	N	11 12 „
8	19.013	19.38	85.9	37.29	86.3	.0459	.7635	18.57.7	N	Midnight.
9	19.013	19.28	85.7	37.44	86.2	.0438	.7652	18.58.6	L	1 12 a. m.
10	19.150	19.29	85.2	37.53	86.0	.0459	.7662	18.58.6	L	2 12 „
11	18.875	19.24	85.0	37.69	85.8	.0432	.7679	18.59.7	L	3 12 „
12	18.944	19.32	84.9	37.85	85.6	.0457	.7697	19.00.1	L	4 12 „
13	19.081	19.41	84.8	38.08	86.0	.0470	.7722	19.00.9	D	5 12 „
14	20.796	19.44	84.7	38.28	85.9	.0485	.7744	19.01.5	D	6 12 „
15	21.758	19.53	84.9	38.28	86.0	.0489	.7744	19.01.5	D	7 12 „
16	21.688	19.81	85.8	37.89	86.3	.0535	.7701	18.59.2	D	8 12 „
17	19.836	20.00	86.2	37.27	86.3	.0567	.7633	18.56.2	N	9 12 „
18	18.121	20.35	87.0	36.96	87.0	.0624	.7599	18.54.1	N	10 12 „
19	16.680	20.47	87.6	36,73	87.5	.0645	.7574	18.52.7	N	11 12 „
20	16.269	20.57	88.4	36.64	88.1	.0661	.7564	18.52.2	N	Noon.
21	16.817	20.04	88.6	36.58	88.4	.0575	.7557	18.53.3	L	1 12 p. m.
22	17.298	19.82	89.0	36.47	89.0	.0538	.7545	18.53.2	L	2 12 „
23	18.258	19.55	89.1	36.27	89.7	.0493	.7523	18.52.9	L	3 12 „
June 20th—Noon	18.121	19.45	88.9	35.99	89.7	.0477	.7492	18.52.8	L	4 12 „
1	18.258	19.38	88.4	35.99	89.8	.0465	.7492	18.52.9	D	5 12 „
2	18.189	19.39	87.7	36.07	89.1	.0467	.7501	18.52.3	D	6 12 „
3	18.601	19.35	87.0	36.45	88.3	.0461	.7543	18.54.1	D	7 12 „
4	18.395	19.19	86.7	36.73	87.8	.0434	.7574	18.55.6	D	8 12 „
5	18.532	19.06	86.2	36.87	87.3	.0413	.7589	18.56.5	N	9 12 „
6	18.395	19.07	86.0	37.12	87.2	.0415	.7617	18.57.5	N	10 12 „
7	18.464	19.11	85.8	37.31	87.0	.0421	.7638	18.58.3	N	11 12 „
8	18.738	19.10	85.5	37.50	86.6	.0420	.7659	18.59.1	N	Midnight.
9	19.013	19.14	85.3	37.67	86.4	.0427	.7677	18.59.7	L	1 12 a. m.
10	19.081	19.27	85.1	37.83	86.1	.0438	.7695	19.00.3	L	2 12 „
11	19.218	19.31	85.0	37.94	86.0	.0454	.7707	19.00.6	L	3 12 „
12	19.150	19.33	85.0	38.08	86.0	.0457	.7722	19.01.0	L	4 12 „
13	19.287	19.23	84.9	38.17	85.8	.0430	.7732	19.01.3	D	5 12 „
14	19.630	19.29	84.7	38.27	85.6	.0440	.7743	19.02.2	D	6 12 „
15	20.796	19.48	84.9	38.67	85.9	.0481	.7783	19.03.2	D	7 12 „
16	20.796	19.69	85.7	38.45	86.7	.0516	.7764	19.01.8	D	8 12 „
17	19.973	19.77	86.5	38.07	87.0	.0530	.7721	19.00.1	N	9 12 „
18	18.807	20.01	87.2	37.62	87.4	.0568	.7672	18.57.6	N	10 12 „
19	17.572	20.29	88.0	37.24	88.0	.0614	.7630	18.55.6	N	11 12 „
20	17.160	20.23	88.6	37.01	88.8	.0604	.7605	18.54.7	N	Noon.
21	17.435	20.03	89.0	36.96	89.2	.0571	.7599	18.54.8	L	1 12 p. m.
22	18.052	19.85	89.1	36.81	89.7	.0551	.7583	18.54.4	L	2 12 „
23	18.532	19.72	89.2	36.62	89.9	.0522	.7561	18.53.9	L	3 12 „

On the 19th, at about 18h., Dip as obtained by Observation was 19°10'6.
On the 20th, at about 18h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 22ND TO 24TH JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
June 22nd-Noon	18·052	19.83	88·9	37.00	90·1	8.0538	2.7604	18°55′4	D	4 12 p. m.
1	18.121	19.67	88.3	37.04	89.8	.0514	.7608	18.56.0	D	5 12 „
2	18.327	19.53	87.9	36.98	89.2	.0489	.7601	18.55.9	D	6 12 „
3	18.464	19.33	87.1	37.21	88.8	.0457	.7627	18.57.4	D	7 12 „
4	18.327	19.31	86.8	37.50	88.3	.0454	.7659	18.58.7	D	8 12 „
5	18.121	19.41	86.3	37.64	87.9	.0470	.7674	18.59.0	N	9 12 „
6	18.258	19.63	86.1	37.83	87.8	.0506	.7695	18.59.4	N	10 12 „
7	18.601	19.55	86.0	38.06	87.4	.0493	.7720	19.00.6	N	11 12 „
8	18.807	19.50	85.8	38.31	87.1	.0485	.7748	19.01.7	N	Midnight.
9	19.150	19.51	85.8	38.41	87.0	.0486	.7759	19.02.1	N	1 12 a. m.
10	19.767	19.33	85.5	38.58	86.8	.0459	.7777	19.03.2	L	2 12 „
11	19.630	19.54	85.4	38.70	86.5	.0491	.7791	19.03.3	L	3 12 „
12	19.356	19.31	85.2	38.83	86.2	.0454	.7807	19.04.5	L	4 12 „
13	19.356	19.27	85.1	38.94	86.3	.0438	.7817	19.05.1	D	5 12 „
14	20.042	19.62	85.1	39.09	86.2	.0506	.7833	19.04.8	D	6 12 „
15	20.728	19.61	85.3	39.05	86.7	.0503	.7829	19.04.7	D	7 12 „
16	19.699	19.88	86.4	39.02	87.2	.0546	.7826	19.03.9	D	8 12 „
17	19.150	20.10	86.9	38.69	87.0	.0584	.7789	19.02.1	N	9 12 „
18	18.464	20.05	87.3	38.54	87.9	.0575	.7773	19.01.5	N	10 12 „
19	17.641	19.98	88.4	38.45	88.2	.0563	.7763	19.01.3	N	11 12 „
20	17.160	20.01	89.0	38.27	89.0	.0568	.7743	19.00.5	N	Noon.
21	17.298	20.08	89.4	38.19	89.4	.0579	.7734	19.00.0	L	1 12 p. m.
22	17.641	19.81	89.6	37.92	89.9	.0552	.7705	18.59.2	L	2 12 „
23	17.915	19.83	89.8	37.56	90.3	.0555	.7665	18.57.5	L	3 12 „
June 23rd-Noon	17.915	19.76	89.7	37.47	90.4	.0528	.7655	18.57.6	L	4 12 „
1	18.327	19.57	89.1	37.31	90.2	.0497	.7638	18.57.3	D	5 12 „
2	18.052	19.47	88.3	37.12	89.1	.0481	.7617	18.56.8	D	6 12 „
3	18.258	19.42	87.6	37.42	88.9	.0473	.7650	18.58.2	D	7 12 „
4	18.327	19.47	87.1	37.51	88.7	.0481	.7660	18.58.4	D	8 12 „
5	18.395	19.50	86.8	37.73	88.2	.0485	.7684	18.59.1	N	9 12 „
6	18.670	19.53	86.6	37.84	88.0	.0489	.7696	18.59.6	N	10 12 „
7	18.875	19.36	86.3	38.23	87.8	.0463	.7739	19.01.7	N	11 12 „
8	19.218	19.35	86.1	38.42	87.2	.0461	.7760	19.02.5	N	Midnight.
9	19.699	19.35	86.0	38.65	87.2	.0461	.7785	19.03.5	L	1 12 a. m.
10	19.561	19.26	85.7	38.68	86.6	.0436	.7788	19.03.9	L	2 12 „
11	19.699	19.39	85.6	38.93	86.3	.0457	.7816	19.04.7	L	3 12 „
12	20.042	19.45	85.4	39.10	86.0	.0477	.7835	19.05.3	L	4 12 „
13	20.385	19.51	85.3	39.23	86.0	.0489	.7849	19.05.6	D	5 12 „
14	21.002	19.59	85.2	39.54	86.4	.0499	.7883	19.06.8	D	6 12 „
15	21.688	19.84	85.7	39.70	86.7	.0540	.7901	19.07.0	D	7 12 „
16	21.895	19.94	86.7	39.41	87.1	.0557	.7869	19.05.4	D	8 12 „
17	21.276	20.12	87.3	38.92	87.3	.0588	.7815	19.03.0	N	9 12 „
18	19.013	20.25	88.0	38.15	87.8	.0608	.7730	18.59.5	N	10 12 „
19	17.641	20.39	88.6	38.05	88.3	.0630	.7719	18.58.7	N	11 12 „
20	16.955	20.22	88.6	38.21	88.2	.0604	.7737	18.59.9	N	Noon.
21	16.749	20.24	89.0	38.25	88.9	.0606	.7741	18.59.9	L	1 12 p. m.
22	16.886	20.14	89.3	38.12	89.2	.0590	.7727	18.59.6	L	2 12 „
23	17.160	20.00	89.5	38.07	89.8	.0567	.7721	18.59.6	L	3 12 „
June 24th-Noon	17.915	19.80	89.4	37.97	89.8	.0534	.7710	18.59.7	L	4 12 „
1	18.395	19.53	88.9	38.04	89.7	.0489	.7718	19.00.5	D	5 12 „
2	19.013	19.37	88.1	38.02	89.1	.0467	.7716	19.00.7	D	6 12 „
3	18.670	19.17	87.1	38.20	88.2	.0432	.7741	19.02.2	D	7 12 „
4	18.670	19.16	86.8	38.72	87.4	.0439	.7793	19.04.1	D	8 12 „
5	18.875	19.15	86.3	38.91	87.0	.0428	.7814	19.05.0	N	9 12 „
6	19.424	19.12	85.7	39.19	86.2	.0424	.7844	19.06.3	N	10 12 „
7	19.150	19.20	85.8	39.46	86.0	.0426	.7874	19.07.3	N	11 21 „
8	19.767	19.20	85.5	39.60	85.9	.0426	.7890	19.08.0	N	Midnight.
9	19.699	19.25	85.4	39.72	85.7	.0434	.7903	19.08.5	L	1 12 a. m.
10	19.699	19.25	85.3	39.87	85.6	.0434	.7919	19.09.1	L	2 12 „
11	19.630	19.24	85.1	39.94	85.4	.0432	.7927	19.09.5	L	3 12 „

On the 23rd, at about 18h., Dip as obtained by Observation was 19°14′0.

DAILY OBSERVATIONS FROM 24TH TO 26TH JUNE 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JUNE 24TH—12	19·904	19.29	84·9	40.13	85·0	8.0440	2.7948	19°10′2	L	24 12 a. m.
13	20.042	19.38	84.9	40.34	84.8	.0465	.7971	19.10.6	D	5 12 „
14	20.385	19.56	84.8	40.39	84.6	.0495	.7976	19.10.4	D	6 12 „
15	21.208	19.41	84.8	40.51	85.2	.0470	.7990	19.11.4	D	7 12 „
16	21.091	19.67	85.1	40.37	85.7	.0514	.7974	19.11.2	D	8 12 „
17	20.453	20.06	86.4	40.08	86.0	.0577	.7942	19.08.1	N	9 12 „
18	18.944	20.09	87.0	39.49	86.4	.0581	.7866	19.05.1	N	10 12 „
19	17.778	20.21	87.8	39.32	87.4	.0601	.7859	19.04.6	N	11 12 „
20	17.846	20.24	88.6	39.24	88.0	.0615	.7850	19.04.0	N	Noon.
21	17.915	20.09	87.7	39.06	88.0	.0581	.7830	19.03.8	L	1 12 p. m.
22	17.984	20.16	88.8	38.96	88.8	.0594	.7819	19.03.1	L	2 12 „
23	17.915	20.07	88.5	38.92	88.7	.0579	.7815	19.03.2	L	3 12 „
JUNE 25TH—Noon	18.121	19.89	88.3	39.03	88.4	.0548	.7827	19.04.0	L	4 12 „
1	18.395	19.60	87.5	39.14	88.0	.0502	.7839	19.05.1	D	5 12 „
2	18.875	19.31	86.3	39.32	87.3	.0454	.7859	19.06.5	D	6 12 „
3	18.395	19.22	86.1	39.40	86.8	.0430	.7868	19.07.1	D	7 12 „
4	18.670	19.15	86.0	39.54	86.3	.0428	.7883	19.07.7	D	8 12 „
5	18.944	19.24	85.8	39.69	86.2	.0432	.7899	19.08.3	N	9 12 „
6	19.013	19.15	85.5	39.88	86.0	.0428	.7920	19.09.2	N	10 12 „
7	19.356	19.16	85.3	39.97	85.5	.0430	.7930	19.09.6	N	11 12 „
8	19.081	19.18	85.2	39.96	85.3	.0432	.7929	19.09.5	N	Midnight.
9	19.493	19.26	85.2	40.11	85.3	.0436	.7946	19.10.1	L	1 12 a. m.
10	19.630	19.30	85.0	40.14	85.2	.0453	.7949	19.10.0	L	2 12 „
11	19.630	19.27	84.9	40.20	85.0	.0438	.7956	19.10.5	L	3 12 „
12	19.561	19.32	84.7	40.30	84.8	.0457	.7967	19.10.6	L	4 12 „
13	19.699	19.22	84.6	40.34	84.7	.0430	.7971	19.11.1	D	5 12 „
14	20.659	19.41	84.8	40.65	85.0	.0470	.8005	19.12.0	D	6 12 „
15	21.071	19.43	84.4	40.64	84.7	.0473	.8004	19.11.9	D	7 12 „
16	21.758	19.76	84.8	40.51	85.2	.0528	.7990	19.10.6	D	8 12 „
17	20.728	19.89	85.0	40.09	84.9	.0548	.7943	19.08.5	N	9 12 „
18	19.561	20.24	85.7	39.95	85.0	.0606	.7928	19.07.2	N	10 12 „
19	18.464	20.34	86.7	39.77	86.2	.0622	.7908	19.06.2	N	11 12 „
20	18.258	20.32	86.9	39.60	86.5	.0620	.7890	19.05.5	N	Noon.
21	18.052	20.18	87.2	39.41	87.0	.0596	.7869	19.04.9	L	1 12 p. m.
22	17.984	19.90	86.7	39.57	86.3	.0551	.7886	19.06.2	L	2 12 „
23	18.395	19.84	87.2	39.49	87.0	.0540	.7877	19.06.1	L	3 12 „
JUNE 26TH—Noon	18.327	19.65	87.2	39.29	87.0	.0510	.7855	19.05.7	L	4 12 „
1	18.601	19.49	86.7	39.20	86.8	.0483	.7846	19.05.7	D	5 12 „
2	18.327	19.45	85.8	39.39	86.3	.0477	.7866	19.06.4	D	6 12 „
3	17.984	19.30	85.0	39.52	85.7	.0453	.7881	19.07.3	D	7 12 „
4	18.327	19.30	84.5	39.86	85.3	.0453	.7918	19.08.8	D	8 12 „
5	18.395	19.28	84.1	40.04	84.8	.0438	.7938	19.09.8	N	9 12 „
6	18.189	19.70	84.0	40.11	84.4	.0518	.7946	19.09.0	N	10 12 „
7	18.395	19.80	83.4	40.41	83.8	.0534	.7979	19.10.1	N	11 12 „
8	18.498	19.86	82.4	40.63	83.7	.0544	.8003	19.11.0	N	Midnight.
9	19.356	19.80	83.0	40.83	83.4	.0534	.8025	19.12.0	L	1 12 a. m.
10	19.973	19.88	82.9	40.88	83.2	.0546	.8030	19.11.9	L	2 12 „
11	19.561	19.55	82.9	40.90	83.2	.0493	.8033	19.12.8	L	3 12 „
12	19.561	19.42	82.8	40.97	83.0	.0473	.8040	19.13.4	L	4 12 „
13	19.767	19.59	83.2	40.99	83.0	.0499	.8042	19.13.0	D	5 12 „
14	20.728	19.44	82.7	41.18	82.8	.0485	.8063	19.13.9	D	6 12 „
15	21.071	19.56	82.8	40.99	82.9	.0495	.8042	19.13.0	D	7 12 „
16	21.071	19.51	82.3	40.90	83.2	.0486	.8033	19.12.8	D	8 12 „
17	20.110	19.64	82.2	40.77	83.0	.0508	.8028	19.12.4	N	9 12 „
18	18.532	19.62	82.3	40.49	82.9	.0506	.7987	19.10.8	N	10 12 „
19	17.298	19.84	82.9	40.29	82.9	.0540	.7965	19.09.5	N	11 12 „
20	16.337	20.03	83.4	40.30	83.2	.0673	.7967	19.09.2	N	Noon.
21	16.131	19.72	84.2	40.46	83.9	.0522	.7984	19.10.4	L	1 12 p. m.
22	16.886	19.45	84.5	40.55	84.2	.0477	.7994	19.11.4	L	2 12 „
23	17.366	19.20	84.6	40.44	84.7	.0426	.7982	19.11.5	L	3 12 „

On the 26th, at about 18h., Dip as obtained by Observation was 19°12′5.

DAILY OBSERVATIONS FROM 27TH TO 30TH JUNE 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JUNE 27TH-Noon	17°915	19.34	84°9	40.15	85°0	8.0459	2.7950	19°10'0	L	4 12 p. m.
1	18.052	19.27	84.8	39.96	85.4	.0438	.7929	19.09.4	D	5 12 ,,
2	18.738	19.25	84.5	39.95	85.0	.0434	.7928	19.09.5	D	6 12 ,,
3	18.052	19.09	84.2	40.04	84.7	.0417	.7938	19.10.0	D	7 12 ,,
4	18.052	19.05	84.0	40.04	84.7	.0411	.7938	19.10.2	D	8 12 ,,
5	18.258	19.10	84.0	40.06	84.7	.0420	.7940	19.10.1	N	9 12 ,,
6	18.464	19.14	84.0	40.14	84.6	.0426	.7949	19.10.3	N	10 12 ,,
7	18.807	19.39	83.9	40.10	84.5	.0467	.7945	19.09.7	N	11 12 ,,
8	19.218	19.27	83.9	40.53	84.3	.0438	.7992	19.11.8	N	Midnight.
9	19.287	19.29	83.6	40.12	84.0	.0440	.7947	19.10.2	L	1 12 a. m.
10	19.561	19.30	83.1	40.23	83.7	.0453	.7959	19.10.4	L	2 12 ,,
11	19.561	19.25	83.1	40.33	83.7	.0434	.7970	19.11.1	L	3 12 ,,
12	19.424	19.38	83.0	40.33	83.6	.0465	.7970	19.10.6	L	4 12 ,,
13	20.179	19.34	82.7	40.39	83.1	.0459	.7972	19.09.7	D	5 12 ,,
14	21.071	19.56	82.3	40.30	83.2	.0495	.7967	19.10.1	D	6 12 ,,
15	21.482	19.43	82.9	40.30	83.3	.0475	.7967	19.10.4	D	7 12 ,,
16	21.071	19.56	83.8	40.12	83.9	.0495	.7947	19.09.4	D	8 12 ,,
17	20.247	19.74	84.5	39.52	84.0	.0524	.7881	19.06.4	N	9 12 ,,
18	19.218	19.84	85.3	39.14	84.6	.0540	.7839	19.04.6	N	10 12 ,,
19	18.121	19.82	84.6	39.04	84.1	.0538	.7828	19.04.2	N	11 12 ,,
20	17.366	19.87	85.0	39.19	84.8	.0546	.7844	19.04.6	N	Noon.
21	17.298	19.80	85.8	39.14	85.2	.0538	.7839	19.04.6	L	1 12 p. m.
22	17.846	19.68	86.2	38.93	86.0	.0514	.7816	19.04.1	L	2 12 ,,
23	18.327	19.54	86.7	38.64	86.9	.0491	.7784	19.03.0	L	3 12 ,,
JUNE 29TH-Noon	19.424	19.66	87.1	37.70	88.3	.0512	.7681	18.58.8	D	4 12 ,,
1	19.443	19.41	86.8	37.59	87.9	.0470	.7668	18.58.8	D	5 12 ,,
2	18.738	19.27	86.1	37.42	87.2	.0438	.7650	18.58.6	D	6 12 ,,
3	17.984	19.33	85.9	37.56	86.9	.0457	.7665	18.58.8	D	7 12 ,,
4	18.258	19.29	85.7	37.70	86.7	.0440	.7681	18.59.7	D	8 12 ,,
5	18.601	19.16	85.3	37.89	86.3	.0430	.7701	19.00.6	D	9 12 ,,
6	18.807	19.15	85.1	37.98	86.1	.0428	.7711	19.01.0	N	10 12 ,,
7	18.875	19.14	85.1	38.18	86.0	.0426	.7733	19.01.9	N	11 12 ,,
8	18.081	19.19	85.0	38.28	85.9	.0434	.7744	19.02.3	N	Midnight.
9	19.287	19.29	84.9	38.35	85.7	.0440	.7752	19.02.5	L	1 12 a. m.
10	19.356	19.31	84.7	38.44	85.6	.0454	.7762	19.02.6	L	2 12 ,,
11	19.493	19.32	84.7	38.57	85.5	.0457	.7776	19.03.1	L	3 12 ,,
12	19.424	19.20	84.7	38.60	85.1	.0426	.7780	19.03.7	L	4 12 ,,
13	20.042	19.41	84.3	38.65	85.1	.0470	.7785	19.03.4	D	5 12 ,,
14	20.728	19.40	84.2	38.90	85.0	.0469	.7813	19.04.5	D	6 12 ,,
15	21.415	19.55	84.2	39.05	85.1	.0493	.7829	19.04.8	D	7 12 ,,
16	21.071	19.79	84.7	38.93	85.9	.0532	.7816	19.03.8	D	8 12 ,,
17	19.767	19.88	84.0	38.53	84.3	.0546	.7772	19.01.7	N	9 12 ,,
18	17.709	19.89	83.3	38.52	83.9	.0548	.7771	19.01.7	N	10 12 ,,
19	16.200	19.97	83.9	38.82	84.0	.0563	.7804	19.02.9	N	11 12 ,,
20	16.131	19.91	84.5	38.94	84.7	.0552	.7817	19.03.6	N	Noon.
21	16.543	19.77	85.1	38.81	85.3	.0528	.7803	19.03.4	D	1 12 p. m.
22	17.229	19.87	86.1	38.89	86.1	.0546	.7815	19.03.3	D	2 12 ,,
23	18.258	19.67	86.8	38.91	87.0	.0514	.7814	19.04.0	D	3 12 ,,
JUNE 30TH-Noon	18.327	19.45	86.5	38.36	87.1	.0477	.7753	19.02.1	D	4 12 ,,
1	18.052	19.27	86.1	38.05	86.6	.0438	.7719	19.01.2	L	5 12 ,,
2	18.189	19.20	85.4	38.08	86.1	.0426	.7722	19.01.4	L	6 12 ,,
3	18.052	19.06	84.8	38.23	85.6	.0413	.7739	19.01.4	L	7 12 ,,
4	18.464	19.08	84.3	38.39	85.0	.0415	.7756	19.02.9	L	8 12 ,,
5	18.395	19.14	83.9	38.65	85.0	.0426	.7785	19.03.9	N	9 12 ,,
6	18.670	19.17	83.8	38.77	84.9	.0432	.7798	19.04.4	N	10 12 ,,
7	19.013	19.02	83.1	38.85	84.2	.0407	.7807	19.05.1	N	11 12 ,,
8	19.081	19.11	83.0	39.00	84.0	.0421	.7824	19.05.5	N	Midnight.
9	19.081	19.91	82.8	39.06	83.8	.0388	.7830	19.06.2	D	1 12 a. m.
10	19.356	19.01	82.3	39.21	83.6	.0404	.7847	19.06.8	D	2 12 ,,
11	19.561	19.02	82.1	39.35	83.2	.0407	.7862	19.07.1	D	3 12 ,,

On the 27th, at about 21h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 30TH JUNE TO 2ND JULY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JUNE 30TH—12	19°356	19.15	82°0	39.49	83°1	8.0428	2.7877	19°07′5	D	4 12 a. m.
13	19.767	19.21	82.1	39.59	83.1	.0427	.7888	19.07.9	L	5 12 „
14	20.522	19.28	82.3	39.70	83.2	.0428	.7901	19.08.3	L	6 12 „
15	20.796	19.41	82.3	39.68	83.2	.0470	.7898	19.07.8	L	7 12 „
16	20.590	19.61	82.7	39.60	83.3	.0503	.7890	19.07.1	L	8 12 „
17	18.807	19.86	83.2	39.36	83.5	.0544	.7863	19.05.5	N	9 12 „
18	17.160	19.84	83.2	39.26	83.8	.0540	.7852	19.05.1	N	10 12 „
19	15.788	19.55	82.2	39.24	83.0	.0493	.7850	19.05.7	N	11 12 „
20	16.063	19.50	82.2	39.49	83.0	.0485	.7877	19.06.7	N	Noon.
21	16.680	19.54	82.2	39.74	82.9	.0491	.7905	19.07.8	D	1 12 p. m.
22	17.298	19.37	82.1	39.69	83.0	.0485	.7899	19.07.5	D	2 12 „
23	18.258	19.30	82.1	39.78	82.8	.0454	.7909	19.08.4	D	3 12 „
JULY 1st—Noon	19.218	19.13	81.9	40.16	82.1	.0424	.7951	19.10.5	D	4 12 „
1	19.424	19.01	81.4	40.01	81.9	.0404	.1935	19.10.2	L	5 12 „
2	18.738	18.97	81.1	40.03	81.6	.0399	.7937	19.10.3	L	6 12 „
3	17.984	18.84	80.5	40.06	81.2	.0377	.7940	19.10.7	L	7 12 „
4	18.258	19.04	80.4	40.26	81.2	.0409	.7962	19.11.0	L	8 12 „
5	18.387	19.05	80.7	40.27	81.2	.0413	.7963	19.11.1	N	9 12 „
6	18.395	19.03	80.8	40.24	81.4	.0409	.7960	19.11.0	N	10 12 „
7	18.670	19.14	81.2	40.25	81.6	.0426	.7962	19.10.7	N	11 12 „
8	19.013	19.17	81.0	40.20	81.6	.0432	.7958	19.10.6	N	Midnight.
9	19.013	19.21	80.8	40.14	81.4	.0427	.7949	19.10.3	D	1 12 a. m.
10	19.218	19.17	80.1	40.37	80.8	.0432	.7974	19.11.3	D	2 12 „
11	19.287	19.22	80.1	40.38	81.0	.0430	.7975	19.11.3	D	3 12 „
12	19.356	18.95	79.0	40.52	80.7	.0395	.7991	19.12.3	D	4 12 „
13	20.016	19.16	79.3	40.65	80.3	.0430	.8005	19.12.5	L	5 12 „
14	21.345	19.17	79.5	40.74	80.0	.0432	.8015	19.12.9	L	6 12 „
15	21.345	19.22	79.3	40.75	79.9	.0430	.8016	19.12.9	L	7 12 „
16	20.522	19.36	79.6	40.65	80.0	.0453	.8000	19.12.0	L	8 12 „
17	19.978	19.58	79.2	40.50	80.0	.0497	.7989	19.10.9	N	9 12 „
18	18.875	20.05	80.4	40.40	80.0	.0575	.7978	19.09.5	N	10 12 „
19	17.028	20.22	80.8	40.45	80.0	.0604	.7983	19.09.4	N	11 12 „
20	16.886	19.92	80.1	40.40	80.1	.0555	.7978	19.09.7	N	Noon.
21	17.366	19.75	80.0	40.40	80.1	.0526	.7978	19.10.1	D	1 12 p. m.
22	17.572	19.55	80.0	40.60	80.0	.0493	.8000	19.11.5	D	2 12 „
23	17.641	19.39	80.2	40.82	80.5	.0477	.8024	19.12.6	D	3 12 „
JULY 2ND—Noon	18.807	19.17	80.1	40.77	80.8	.0432	.8018	19.13.0	D	4 12 „
1	19.287	19.00	79.9	40.75	80.3	.0413	.8016	19.13.2	L	5 12 „
2	18.738	18.90	79.7	40.57	80.2	.0387	.7996	19.12.6	L	6 12 „
3	18.327	18.86	79.3	40.50	80.0	.0381	.7989	19.12.5	L	7 12 „
4	18.121	19.00	79.5	40.55	80.0	.0403	.7994	19.12.4	L	8 12 „
5	18.327	19.03	79.8	40.50	80.1	.0407	.7989	19.12.1	N	9 12 „
6	18.532	19.06	79.8	40.51	80.2	.0413	.7990	19.12.2	N	10 12 „
7	18.670	19.10	80.0	40.46	80.3	.0420	.7984	19.11.7	N	11 12 „
8	18.875	19.10	80.0	40.43	80.2	.0420	.7981	19.11.6	N	Midnight.
9	19.013	19.09	80.2	40.42	80.7	.0417	.7980	19.11.6	D	1 12 a. m.
10	19.218	19.19	80.7	40.42	80.8	.0434	.7980	19.11.5	D	2 12 „
11	19.218	19.13	80.9	40.23	81.0	.0424	.7959	19.10.8	D	3 12 „
12	19.218	19.13	80.9	40.13	81.1	.0424	.7948	19.10.4	D	4 12 „
13	19.493	19.16	80.5	40.08	81.0	.0430	.7942	19.10.0	L	5 12 „
14	20.522	19.28	80.4	40.18	81.0	.0438	.7953	19.10.4	L	6 12 „
15	20.796	19.37	80.7	40.16	81.0	.0461	.7951	19.10.0	L	7 12 „
16	20.865	19.33	80.1	39.96	80.5	.0457	.7929	19.09.1	L	8 12 „
17	20.177	19.31	79.8	39.83	80.3	.0454	.7915	19.08.7	N	9 12 „
18	18.807	19.32	79.5	39.70	80.0	.0457	.7901	19.08.0	N	10 12 „
19	17.846	19.37	80.0	39.70	80.0	.0465	.7901	19.07.9	N	11 12 „
20	17.298	19.30	80.5	39.72	80.7	.0453	.7903	19.08.2	N	Noon.
21	17.366	19.31	80.5	39.68	80.9	.0454	.7898	19.08.0	D	1 12 p. m.
22	18.052	19.19	80.7	39.73	81.0	.0434	.7904	19.08.5	D	2 12 „
23	18.189	19.11	80.8	39.73	80.9	.0421	.7904	19.08.6	D	3 12 „

On the 30th, at about 18h., Dip as obtained by Observation was 19°10′9.

DAILY OBSERVATIONS FROM 3RD TO 6TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JULY 3RD-Noon	18·464	19.09	80°7	39.63	81°1	8.0417	2.7893	19°08′2	D	4 12 p. m.
1	18.258	19.04	80.6	39.69	81.0	.0409	.7899	19.08.6	L	5 12 „
2	18.532	18.98	80.4	39.63	81.0	.0399	.7893	19.08.5	L	6 12 „
3	18.121	19.08	80.8	39.54	81.2	.0415	.7883	19.07.8	L	7 12 „
4	17.984	19.00	80.6	39.45	81.0	.0403	.7873	19.07.7	L	8 12 „
5	18.327	19.07	81.0	39.45	81.5	.0415	.7873	19.07.4	N	9 12 „
6	18.327	19.05	81.1	39.26	81.9	.0411	.7852	19.06.8	N	10 12 „
7	18.395	19.14	81.2	39.06	82.0	.0426	.7830	19.05.7	N	11 12 „
8	18.532	19.09	81.2	38.96	82.0	.0417	.7819	19.05.3	N	Midnight.
9	18.670	19.19	80.9	38.95	81.8	.0434	.7818	19.05.2	D	1 12 a. m.
10	18.395	19.13	80.9	38.87	81.7	.0424	.7809	19.04.9	D	2 12 „
11	19.013	19.11	81.0	38.95	81.8	.0421	.7818	19.05.3	D	3 12 „
12	19.013	19.10	81.0	38.96	82.0	.0420	.7819	19.05.3	D	4 12 „
13	19.424	19.04	80.7	38.93	81.7	.0409	.7816	19.05.4	L	5 12 „
14	20.458	19.18	81.1	38.99	81.7	.0432	.7822	19.05.3	L	6 12 „
15	20.728	19.41	81.4	38.78	81.9	.0470	.7799	19.03.9	L	7 12 „
16	19.356	19.66	82.2	38.37	82.2	.0512	.7754	19.01.7	L	8 12 „
17	17.778	19.89	82.8	38.09	82.9	.0548	.7723	18.59.9	N	9 12 „
18	16.680	20.17	83.7	37.70	83.2	.0596	.7681	18.57.6	N	10 12 „
19	15.308	20.23	84.5	37.42	84.0	.0604	.7650	18.56.5	N	11 12 „
20	16.171	20.20	85.0	37.22	84.1	.0600	.7628	18.55.6	N	Noon.
21	15.583	20.01	84.5	37.13	84.4	.0568	.7618	18.55.6	D	1 12 p. m.
22	16.955	19.89	84.7	36.99	84.7	.0548	.7602	18.55.1	D	2 12 „
23	16.886	19.37	83.9	37.34	84.8	.0465	.7641	18.57.8	D	3 12 „
JULY 4TH-Noon	18.052	19.29	83.9	37.33	84.2	.0440	.7640	18.58.2	D	4 12 „
1	18.395	19.10	83.5	37.32	83.9	.0420	.7639	18.58.3	L	5 12 „
2	18.189	19.04	83.1	37.17	83.7	.0409	.7622	18.57.8	L	6 12 „
3	18.258	18.99	82.8	37.18	83.4	.0401	.7623	18.58.0	L	7 12 „
4	18.395	18.93	82.0	37.18	82.8	.0391	.7623	18.58.1	L	8 12 „
5	18.738	18.98	81.4	37.48	82.0	.0399	.7654	18.59.2	N	9 12 „
6	18.875	18.91	81.2	37.56	82.0	.0388	.7665	18.59.7	N	10 12 „
7	18.875	18.99	81.2	37.86	81.9	.0401	.7700	19.01.0	N	11 12 „
8	18.875	18.99	81.2	37.93	81.7	.0401	.7706	19.01.2	N	Midnight.
9	19.013	19.94	81.2	37.95	81.8	.0393	.7708	19.01.4	D	1 12 a. m.
10	19.287	19.09	81.2	37.85	81.7	.0417	.7697	19.00.6	D	2 12 „
11	19.013	19.07	81.1	38.05	81.8	.0415	.7719	19.01.4	D	3 12 „
12	19.218	19.00	81.0	38.14	81.3	.0403	.7729	19.02.1	D	4 12 „
13	19.356	19.01	81.0	38.28	81.2	.0404	.7744	19.02.7	L	5 12 „
14	20.179	19.10	80.9	38.31	81.1	.0420	.7748	19.02.6	L	6 12 „
15	20.385	19.15	81.1	38.26	81.4	.0428	.7742	19.02.2	L	7 12 „
16	20.042	19.30	81.5	38.15	81.7	.0453	.7730	19.01.5	L	8 12 „
17	19.287	19.36	81.7	38.06	82.0	.0464	.7720	19.01.0	N	9 12 „
18	18.189	19.60	82.0	37.86	82.0	.0502	.7698	18.59.6	N	10 12 „
19	17.503	19.56	82.8	37.66	82.8	.0595	.7676	18.57.4	N	11 12 „
20	17.092	19.55	82.4	37.58	82.5	.0593	.7667	18.57.2	N	Noon.
21	17.092	19.63	83.1	37.50	83.2	.0606	.7659	18.56.7	D	1 12 p. m.
22	16.955	19.59	83.2	37.46	83.6	.0599	.7654	18.56.6	D	2 12 „
23	17.709	19.59	83.9	37.27	83.9	.0599	.7633	18.55.8	D	3 12 „
JULY 6TH-Noon	18.670	19.17	82.8	36.85	83.2	.0432	.7587	18.56.2	L	4 12 „
1	18.601	19.15	83.1	36.80	83.3	.0428	.7582	18.55.9	L	5 12 „
2	18.258	19.17	82.9	36.60	83.4	.0432	.7560	18.55.1	L	6 12 „
3	17.984	19.15	82.8	36.60	83.4	.0428	.7560	18.55.1	L	7 12 „
4	18.052	19.13	82.7	36.60	83.4	.0424	.7560	18.55.2	L	8 12 „
5	18.052	19.11	82.6	36.60	83.3	.0421	.7560	18.55.2	N	9 12 „
6	18.189	19.06	82.5	36.60	83.3	.0413	.7560	18.55.4	N	10 12 „
7	18.532	19.06	82.4	36.60	83.2	.0413	.7560	18.55.4	N	11 12 „
8	18.607	19.15	82.5	36.80	83.2	.0428	.7582	18.55.9	N	Midnight.
9	18.738	19.19	82.5	36.79	83.0	.0434	.7580	18.55.9	D	1 12 a. m.
10	19.013	19.16	82.3	36.85	83.2	.0430	.7587	18.56.2	D	2 12 „
11	18.670	19.18	82.4	36.80	83.3	.0432	.7582	18.55.9	D	3 12 „

On the 3rd, at about 18h., Dip as obtained by Observation was 19°05′3.
On the 4th, at about 22h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 6th—12	18'670	19.25	82°5	36.70	83°1	8.0444	2.7571	18°55'4	D	4 12 a. m.
13	18.670	19.25	82.2	36.70	83.2	.0444	.7571	18.55.4	L	5 12 „
14	18.875	19.24	82.4	36.81	82.9	.0442	.7583	18.55.9	L	6 12 „
15	19.080	19.31	82.5	36.81	83.0	.0454	.7583	18.55.7	L	7 12 „
16	19.013	19.43	83.2	36.68	83.2	.0465	.7568	18.54.9	L	8 12 „
17	18.738	19.61	83.8	36.55	83.8	.0503	.7554	18.54.0	N	9 12 „
18	17.915	19.79	84.5	36.24	84.7	.0532	.7520	18.52.3	N	10 12 „
19	16.474	19.99	85.2	35.85	85.1	.0565	.7477	18.50.1	N	11 12 „
20	16.200	20.04	85.6	35.58	85.9	.0573	.7447	18.49.0	N	Noon.
21	15.683	19.83	85.9	35.50	86.5	.0538	.7439	18.49.0	D	1 12 p. m.
22	15.994	19.86	86.3	35.40	86.8	.0544	.7428	18.48.6	D	2 12 „
23	16.406	19.95	86.2	35.30	86.8	.0559	.7417	18.47.9	D	3 12 „
July 7th—Noon	17.366	19.55	86.0	35.16	87.0	.0493	.7401	18.48.1	D	4 12 „
1	17.435	19.32	85.6	35.08	86.1	.0457	.7392	18.48.1	L	5 12 „
2	17.298	19.30	85.6	35.05	85.7	.0453	.7389	18.48.1	L	6 12 „
3	17.298	19.06	84.5	35.10	85.2	.0413	.7395	18.49.0	L	7 12 „
4	17.709	18.90	84.2	35.23	85.0	.0387	.7409	18.49.7	L	8 12 „
5	18.258	18.87	83.9	35.34	84.7	.0383	.7421	18.50.4	N	9 12 „
6	18.189	19.03	83.8	35.38	84.4	.0407	.7425	18.50.2	N	10 12 „
7	18.670	18.95	83.5	35.48	84.0	.0395	.7436	18.50.7	N	11 12 „
8	19.218	19.06	83.5	35.92	84.0	.0413	.7485	18.52.5	N	Midnight.
9	19.493	19.23	83.4	35.92	83.9	.0430	.7485	18.52.2	D	1 12 a. m.
10	19.699	19.31	83.3	35.96	83.7	.0454	.7489	18.52.0	D	2 12 „
11	19.424	19.30	83.0	35.96	83.7	.0453	.7489	18.52.0	D	3 12 „
12	19.767	19.08	82.9	36.01	83.6	.0415	.7495	18.52.7	D	4 12 „
13	19.561	19.25	82.9	36.13	83.6	.0434	.7508	18.53.1	L	5 12 „
14	19.904	19.22	82.8	36.25	83.3	.0430	.7521	18.53.6	L	6 12 „
15	19.973	19.38	83.2	36.33	83.7	.0465	.7530	18.53.5	L	7 12 „
16	19.561	19.58	84.0	36.25	84.0	.0497	.7521	18.52.7	L	8 12 „
17	19.287	19.81	84.8	36.24	84.5	.0535	.7520	18.52.2	N	9 12 „
18	18.738	19.58	85.3	36.05	85.0	.0497	.7499	18.51.8	N	10 12 „
19	17.709	19.68	86.0	35.85	85.7	.0514	.7477	18.50.9	N	11 12 „
20	17.435	19.77	86.7	35.59	86.4	.0520	.7448	18.49.6	N	Noon.
21	17.572	19.65	87.0	35.56	87.0	.0510	.7445	18.49.7	D	1 12 p. m.
22	17.366	19.41	87.3	35.23	87.6	.0470	.7409	18.48.7	D	2 12 „
23	18.258	19.31	87.6	35.09	87.9	.0454	.7393	18.48.3	D	3 12 „
July 8th—Noon	18.052	19.27	87.3	34.99	87.9	.0438	.7383	18.48.1	D	4 12 „
1	17.846	19.20	86.9	34.80	87.2	.0426	.7362	18.47.3	L	5 12 „
2	17.846	19.17	86.0	34.76	86.5	.0432	.7357	18.47.3	L	6 12 „
3	18.189	18.98	85.4	34.80	86.0	.0399	.7362	18.47.7	L	7 12 „
4	18.395	18.98	85.0	34.90	85.8	.0399	.7373	18.48.2	L	8 12 „
5	18.395	19.01	84.8	34.97	85.5	.0404	.7380	18.48.5	N	9 12 „
6	18.532	18.83	84.4	35.08	85.2	.0375	.7392	18.49.2	N	10 12 „
7	18.670	18.98	84.3	35.15	85.0	.0399	.7400	18.49.3	N	11 12 „
8	19.013	19.00	84.0	35.26	84.8	.0413	.7412	18.49.6	N	Midnight.
9	19.424	19.20	84.0	35.44	84.7	.0426	.7432	18.50.1	D	1 12 a. m.
10	19.356	19.18	83.9	35.54	84.5	.0432	.7443	18.50.6	D	2 12 „
11	19.424	19.08	83.9	35.58	84.4	.0415	.7447	18.51.3	D	3 12 „
12	19.699	18.99	83.7	35.63	84.2	.0401	.7453	18.51.4	D	4 12 „
13	19.218	19.12	83.4	35.72	84.0	.0424	.7463	18.51.3	L	5 12 „
14	19.904	18.99	83.0	35.89	83.6	.0401	.7481	18.52.4	L	6 12 „
15	19.493	18.94	83.4	36.01	83.7	.0393	.7495	18.53.1	L	7 12 „
16	19.287	19.01	84.1	36.12	84.0	.0404	.7507	18.53.5	L	8 12 „
17	19.356	19.25	85.0	36.05	84.9	.0434	.7499	18.52.7	N	9 12 „
18	19.013	19.39	85.2	35.95	84.9	.0467	.7488	18.51.8	N	10 12 „
19	17.778	19.86	86.3	35.87	85.7	.0544	.7479	18.50.5	N	11 12 „
20	17.778	19.53	85.7	35.55	85.0	.0489	.7444	18.49.8	N	Noon.
21	17.915	19.39	85.2	35.56	85.4	.0467	.7445	18.50.2	D	1 12 p. m.
22	18.189	19.36	85.8	35.57	85.7	.0453	.7446	18.50.4	D	2 12 „
23	18.189	19.34	85.7	35.67	85.8	.0459	.7457	18.50.8	D	3 12 „

On the 7th, at about 18h., Dip as obtained by Observation was 18°57'8.

DAILY OBSERVATIONS FROM 9TH TO 11TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 9th-Noon	18'258	19.17	85°1	35.77	85°7	8.0432	2.7468	18°51'5	D	4 12 p. m.
1	18.052	19.06	84.7	35.80	85.0	.0413	7472	18.51.9	L	5 12 „
2	18.464	19.08	84.4	35.86	84.7	.0415	.7478	18.52.0	L	6 12 „
3	18.464	18.98	84.1	35.88	84.6	.0399	.7480	18.52.4	L	7 12 „
4	18.327	18.93	83.9	35.93	84.2	.0391	.7486	18.52.7	L	8 12 „
5	18.327	18.93	83.8	36.02	84.0	.0388	.7496	18.53.1	N	9 12 „
6	18.464	18.91	83.8	36.12	84.0	.0388	.7507	18.53.6	N	10 12 „
7	19.013	18.99	83.2	36.21	83.8	.0401	.7517	18.53.9	N	11 12 „
8	19.287	18.97	83.1	36.31	83.5	.0399	.7528	18.54.3	N	Midnight.
9	19.287	18.90	83.0	36.40	83.4	.0387	.7538	18.54.7	D	1 12 a. m.
10	19.356	18.93	82.9	36.45	83.2	.0388	.7543	18.55.0	D	2 12 „
11	19.356	18.72	82.1	36.54	83.0	.0358	.7553	18.55.8	D	3 12 „
12	19.356	19.07	82.1	36.68	82.8	.0415	.7568	18.55.5	D	4 12 „
13	19.561	19.21	82.4	36.79	82.9	.0427	.7580	18.55.9	L	5 12 „
14	20.590	19.20	82.2	36.90	82.8	.0426	.7593	18.56.4	L	6 12 „
15	20.865	19.34	82.6	36.87	83.0	.0459	.7589	18.55.8	L	7 12 „
16	20.865	19.63	83.2	36.72	83.2	.0506	.7573	18.54.6	L	8 12 „
17	20.179	19.85	84.2	36.52	84.0	.0542	.7551	18.53.4	N	9 12 „
18	18.875	19.78	84.9	36.22	84.6	.0530	.7518	18.52.2	N	10 12 „
19	17.641	19.89	85.8	36.07	85.1	.0548	.7501	18.51.2	N	11 12 „
20	17.229	19.95	86.4	35.98	86.0	.0559	.7491	18.50.7	N	Noon.
21	17.160	19.75	86.5	35.80	86.5	.0526	.7472	18.50.3	D	1 12 p. m.
22	17.846	19.57	85.8	35.79	86.2	.0497	.7470	18.50.7	D	2 12 „
23	18.052	19.37	85.3	35.67	85.8	.0465	.7457	18.50.7	D	3 12 „
July 10th-Noon	19.013	19.25	85.3	35.82	85.7	.0434	.7474	18.51.7	D	4 12 „
1	19.356	19.13	85.0	35.91	85.3	.0426	.7484	18.52.1	L	5 12 „
2	18.807	19.15	84.7	35.87	85.1	.0428	.7479	18.51.9	L	6 12 „
3	18.121	19.06	84.7	35.90	85.0	.0413	.7483	18.52.4	L	7 12 „
4	17.915	18.96	84.5	35.97	85.0	.0397	.7490	18.52.8	L	8 12 „
5	17.846	19.01	84.3	36.05	85.0	.0404	.7499	18.53.1	N	9 12 „
6	18.189	18.95	84.0	36.11	84.9	.0395	.7506	18.53.4	N	10 12 „
7	18.601	18.96	83.9	36.14	84.8	.0397	.7509	18.53.5	N	11 12 „
8	18.807	18.87	83.6	36.24	84.5	.0383	.7520	18.54.3	N	Midnight.
9	19.218	18.91	83.8	36.33	84.2	.0388	.7530	18.54.5	D	1 12 a. m.
10	19.356	18.94	83.7	36.48	84.2	.0393	.7546	18.55.1	D	2 12 „
11	19.218	19.01	83.5	36.33	84.3	.0404	.7530	18.54.4	D	3 12 „
12	19.356	19.01	83.5	36.62	84.1	.0404	.7562	18.55.5	D	4 12 „
13	19.493	19.03	83.4	36.75	84.0	.0407	.7576	18.56.0	L	5 12 „
14	19.973	19.11	83.4	36.84	84.0	.0421	.7586	18.56.2	L	6 12 „
15	20.522	19.21	82.4	36.90	83.2	.0427	.7593	18.56.3	L	7 12 „
16	19.836	19.51	83.3	36.86	83.6	.0486	.7588	18.55.4	L	8 12 „
17	19.150	19.89	84.7	36.75	84.2	.0548	.7576	18.54.1	N	9 12 „
18	18.052	19.94	85.0	36.53	84.9	.0557	.7552	18.53.1	N	10 12 „
19	17.503	19.86	84.8	36.40	85.0	.0544	.7538	18.52.9	N	11 12 „
20	17.023	19.74	86.3	36.42	85.8	.0524	.7540	18.53.2	N	Noon.
21	16.749	19.88	86.4	36.38	86.6	.0546	.7535	18.52.6	D	1 12 p. m.
22	17.366	19.70	86.5	36.20	86.7	.0518	.7516	18.52.2	D	2 12 „
23	17.709	19.17	86.1	36.14	86.4	.0432	.7509	18.53.1	D	3 12 „
July 11th-Noon	18.670	18.81	83.8	36.16	85.4	.0372	.7511	18.54.0	D	4 12 „
1	17.846	18.88	84.1	36.37	85.0	.0383	.7534	18.54.8	L	5 12 „
2	17.984	18.99	84.3	36.49	85.0	.0401	.7547	18.55.1	L	6 12 „
3	18.395	18.76	84.1	36.51	84.9	.0364	.7550	18.55.7	L	7 12 „
4	18.464	18.76	84.0	36.56	84.6	.0364	.7555	18.55.9	L	8 12 „
5	18.670	18.91	83.8	36.64	84.5	.0378	.7564	18.55.9	N	9 12 „
6	18.670	18.73	83.5	36.73	84.2	.0358	.7574	18.56.5	N	10 12 „
7	18.944	18.95	83.4	36.82	84.0	.0395	.7584	18.56.4	N	11 12 „
8	18.944	19.01	83.4	36.86	83.6	.0404	.7588	18.56.6	N	Midnight.
9	19.287	19.05	83.5	36.97	84.1	.0411	.7600	18.57.0	D	1 12 a. m.
10	19.287	19.02	83.1	37.02	83.9	.0407	.7606	18.57.2	D	2 12 „
11	19.356	19.02	83.1	37.11	83.7	.0407	.7616	18.57.6	D	3 12 „

On the 10th, at about 18h., Dip as obtained by Observation was 18°56'9.

DAILY OBSERVATIONS FROM 11TH TO 14TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 11th—12	19'424	19.10	83°0	37.11	83°7	8.0420	2.7616	18°57'4	D	4 12 a.m.
13	19.630	19.05	83.0	37.19	83.7	.0411	.7624	18.57.9	L	5 12 „
14	20.247	19.07	83.0	37.23	83.6	.0415	.7629	18.57.9	L	6 12 „
15	19.836	19.22	83.0	37.17	83.6	.0430	.7622	18.57.5	L	7 12 „
16	18.944	19.56	83.5	37.23	83.7	.0495	.7629	18.56.9	L	8 12 „
17	18.601	19.85	83.6	37.31	83.7	.0542	.7638	18.56.8	N	9 12 „
18	18.258	19.93	83.4	37.30	83.4	.0555	.7637	18.56.5	N	10 12 „
19	17.641	20.07	83.7	37.35	83.4	.0579	.7642	18.56.4	N	11 12 „
20	16.749	20.07	85.0	37.28	84.3	.0579	.7634	18.56.1	N	Noon.
21	16.543	20.01	85.8	37.06	85.4	.0567	.7610	18 55.3	D	1 12 p.m.
22	16.955	19.84	86.3	36.98	85.9	.0540	.7601	18.55.3	D	2 12 „
23	17.641	19.69	86.4	36.85	86.5	.0516	.7587	18.55.0	D	3 12 „
July 13th—Noon	18.738	19.45	87.0	36.22	87.4	.0477	.7518	18.52.9	L	4 12 „
1	18.464	19.39	86.7	36.02	87.2	.0467	.7496	18.52.2	L	5 12 „
2	17.778	19.37	86.0	35.96	87.0	.0465	.7489	18.51.8	L	6 12 „
3	17.709	19.09	85.0	36.02	86.2	.0417	.7496	18.52.7	L	7 12 „
4	17.915	18.99	84.5	36.22	85.8	.0401	.7518	18.53.9	L	8 12 „
5	18.052	19.08	84.6	36.37	85.6	.0415	.7534	18.54.2	N	9 12 „
6	18.189	19.11	84.4	36.42	85.5	.0421	.7540	18.54.5	N	10 12 „
7	18.329	19.00	84.0	36.56	85.4	.0403	.7555	18.55.4	N	11 12 „
8	18.395	19.10	84.0.	36.55	84.9	.0420	.7554	18.55.0	N	Midnight.
9	19.013	19.17	83.1	36.78	84.3	.0434	.7599	18.55.8	D	1 12 a.m.
10	19.013	19.10	83.0	36.92	84.0	.0420	.7595	18.56.6	D	2 12 „
11	19.699	19.04	82.2	37.60	83.2	.0409	.7615	18.57.6	D	3 12 „
12	19.356	19.15	82.0	37.19	82.9	.0428	.7624	18.57.6	D	4 12 „
13	19.289	19.11	82.0	37.30	82.8	.0421	.7637	18.58.3	L	5 12 „
14	20.659	19.12	81.6	37.41	82.4	.0424	.7649	18.58.7	L	6 12 „
15	20.453	19.11	81.5	37.45	82.2	.0421	.7653	18.58.9	L	7 12 „
16	20.179	19.18	81.4	37.33	82.3	.0432	.7640	18.58.3	L	8 12 „
17	18.875	19.49	81.2	37.36	82.0	.0483	.7643	18.57.8	N	9 12 „
18	17.846	19.87	81.8	37.47	82.2	.0546	.7655	18.57.3	N	10 12 „
19	17.503	19.71	81.9	37.47	82.2	.0519	.7655	18.57.7	N	11 12 „
20	17.229	19.63	82.2	37.65	82.3	.0506	.7675	18.58.6	N	Noon.
21	17.023	19.64	82.7	37.68	82.6	.0508	.7678	18 58.7	D	1 12 p.m.
22	17.593	19.53	82.9	37.59	82.9	.0489	.7668	18.58.5	D	2 12 „
23	17.641	19.50	83.8	37.61	83.8	.0485	.7671	18.58.6	D	3 12 „
July 14th—Noon	17.984	19.95	83.5	37.61	83.7	.0411	.7671	18.59.7	D	4 12 „
1	19.218	19.00	83.0	37.51	83.0	.0403	.7660	18.59.4	L	5 12 „
2	18.807	18.96	82.7	37.54	82.9	.0397	.7663	18.59.5	L	6 12 „
3	18.395	18.95	82.5	37.60	82.6	.0395	.7670	18.59.8	L	7 12 „
4	18.532	18.70	82.1	37.79	82.2	.0354	.7690	19.01.2	L	8 12 „
5	18.807	18.72	81.8	37.86	82.0	.0358	.7698	19.01.4	N	9 12 „
6	18.738	18.91	81.2	37.95	81.6	.0388	.7708	18.01.4	N	10 12 „
7	18.807	18.92	81.2	38.05	81.5	.0391	.7719	19.01.8	N	11 12 „
8	18.807	18.86	81.3	38.15	81.6	.0381	.7730	19.02.5	N	Midnight.
9	18.807	18.85	81.5	38.15	81.8	.0411	.7730	19.02.1	D	1 12 a.m.
10	19.287	18.84	81.2	38.20	81.7	.0377	.7736	19.02.7	D	2 12 „
11	18.807	18.92	81.1	38.24	81.3	.0391	.7740	19.02.7	D	3 12 „
12	19.013	Lost	Lost	38.23	81.1	Lost	.7739	Lost	D	4 12 „
13	19.767	18.99	80.9	38.38	80.9	.0401	.7755	19.03.2	L	5 12 „
14	19.699	19.00	81.0	38.35	81.0	.0403	.7752	19.03.0	L	6 12 „
15	19.767	18.98	81.3	38.30	81.2	.0399	.7747	19.02.9	L	7 12 „
16	19.081	19.30	81.6	38.20	81.3	.0453	.7736	19.01.7	L	8 12 „
17	18.181	19.40	82.0	38.05	81.6	.0469	.7719	19.00.8	N	9 12 „
18	17.435	19.68	80.4	37.90	82.7	.0514	.7703	18.59.7	N	10 12 „
19	16.680	19.80	84.0	37.70	83.2	.0534	.7681	18.58.5	N	11 12 „
20	16.886	19.88	84.4	Lost	Lost	.0546	Lost	Lost	N	Noon.
21	16.955	19.81	84.8	30.10	85.0	.0535	.7645	18.57.1	D	1 12 p.m.
22	16.955	19.76	84.8	29.86	85.3	.0528	.7618	18.56.1	D	2 12 „
23	17.641	19.60	85.0	29.77	85.6	.0502	.7608	18.56.1	D	3 12 „

On the 11th, at about 21h., Deflection Observations were taken.
On the 14th the Vertical Force Magnet was cleaned and newly adjusted.

DAILY OBSERVATIONS FROM 15TH TO 17TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 15th-Noon	17·984	19.25	84·5	29.86	85·2	8.0434	2.7618	18°57′4	D	4 12 p. m.
1	18.189	19.12	84.4	29.89	84.3	.0424	.7621	18.57.6	L	5 12 „
2	18.464	18.91	83.9	29.88	84.3	.0388	.7620	18.58.0	L	6 12 „
3	18.189	18.91	83.5	29.85	84.2	.0388	.7617	18.57.9	L	7 12 „
4	18.189	18.90	83.5	29.90	84.0	.0387	.7623	18.58.1	L	8 12 „
5	18.052	18.82	83.0	29.93	83.8	.0375	.7626	18.58.4	N	9 12 „
6	18.258	18.78	82.8	30.11	83.6	.0366	.7646	18.59.3	N	10 12 „
7	18.532	18.82	82.8	30.19	83.5	.0375	.7654	18.59.5	N	11 12 „
8	18.738	18.87	82.8	30.25	83.5	.0383	.7661	18.59.7	N	Midnight.
9	18.807	18.62	82.1	30.20	83.3	.0342	.7656	19.00.1	D	1 12 a. m.
10	18.738	18.95	82.5	30.45	83.2	.0395	.7683	19.00.3	D	2 12 „
11	18.807	19.02	82.6	30.44	82.9	.0407	.7682	19.00.1	D	3 12 „
12	19.013	18.93	82.1	30.43	82.8	.0391	.7681	19.00.3	D	4 12 „
13	19.218	19.05	82.0	30.57	82.4	.0411	.7696	19.00.7	L	5 12 „
14	20.179	18.99	82.0	30.75	82.3	.0401	.7716	19.01.6	L	6 12 „
15	20.728	19.09	82.2	30.78	82.5	.0417	.7719	19.01.4	L	7 12 „
16	20.659	19.31	82.8	30.62	82.8	.0454	.7702	19.00.3	L	8 12 „
17	19.973	19.70	83.2	30.39	83.1	.0518	.7676	18.58.4	N	9 12 „
18	19.081	19.92	84.1	30.11	83.8	.0555	.7646	18.56.8	N	10 12 „
19	18.327	19.62	83.8	29.77	83.9	.0506	.7608	18.56.0	N	11 12 „
20	17.298	19.37	83.1	29.59	83.0	.0465	.7588	18.55.7	N	Noon.
21	17.229	19.65	84.8	29.94	84.7	.0510	.7627	18.56.8	D	1 12 p. m.
22	17.298	19.71	85.8	29.97	85.6	.0519	.7630	18.56.7	D	2 12 „
23	17.984	19.71	86.3	29.83	86.1	.0519	.7615	18.56.1	D	3 12 „
July 16th-Noon	18.327	19.69	86.2	29.55	86.8	.0516	.7584	18.54.8	D	4 12 „
1	18.121	19.57	85.9	29.38	86.0	.0497	.7565	18.54.4	L	5 12 „
2	17.984	19.28	85.3	29.27	85.7	.0438	.7553	18.54.8	L	6 12 „
3	17.778	19.21	84.7	29.10	85.3	.0427	.7535	18.54.2	L	7 12 „
4	18.189	18.98	84.4	29.23	85.0	.0390	.7549	18.55.1	L	8 12 „
5	18.189	18.92	84.1	29.33	84.9	.0391	.7560	18.55.6	N	9 12 „
6	18.670	18.79	83.1	29.35	84.2	.0368	.7562	18.55.9	N	10 12 „
7	18.670	18.95	83.1	29.44	84.0	.0395	.7572	18.55.9	N	11 12 „
8	19.081	18.99	83.2	29.52	83.9	.0401	.7581	18.56.3	N	Midnight.
9	19.218	19.02	83.1	29.46	83.7	.0407	.7574	18.55.9	D	1 12 a. m.
10	19.287	19.28	82.9	29.61	83.5	.0438	.7591	18.56.2	D	2 12 „
11	19.287	19.34	82.7	29.75	83.3	.0459	.7606	18.56.5	D	3 12 „
12	19.013	18.98	82.9	29.99	82.9	.0399	.7632	18.58.3	D	4 12 „
13	19.013	19.00	82.5	30.01	83.0	.0403	.7635	18.58.5	L	5 12 „
14	19.904	19.02	82.6	30.15	83.1	.0407	.7650	18.59.0	L	6 12 „
15	20.522	19.23	82.9	30.20	83.2	.0432	.7656	18.58.9	L	7 12 „
16	20.796	19.56	83.6	30.13	83.7	.0495	.7648	18.57.7	L	8 12 „
17	19.836	19.75	84.3	29.97	84.0	.0526	.7630	18.56.6	N	9 12 „
18	18.189	19.79	84.2	29.72	84.0	.0532	.7603	18.55.5	N	10 12 „
19	16.337	19.74	84.2	29.72	84.0	.0524	.7603	18.55.6	N	11 12 „
20	15.308	19.72	84.6	29.69	84.7	.0520	.7599	18.55.4	N	Noon.
21	16.269	19.69	85.2	29.76	85.3	.0516	.7607	18.55.8	D	1 12 p. m.
22	16.955	19.59	85.4	29.67	85.8	.0439	.7596	18.55.6	D	2 12 „
23	17.366	19.45	85.2	29.77	85.7	.0477	.7608	18.56.4	D	3 12 „
July 17th-Noon	17.984	19.27	84.9	29.66	85.3	.0438	.7596	18.56.4	D	4 12 „
1	17.915	19.15	84.3	29.66	84.6	.0428	.7596	18.56.5	L	5 12 „
2	17.709	19.07	84.1	29.61	84.3	.0415	.7591	18.56.4	L	6 12 „
3	17.366	18.94	83.7	29.63	84.2	.0393	.7593	18.56.9	L	7 12 „
4	17.503	18.91	83.6	29.70	84.0	.0388	.7601	18.57.2	L	8 12 „
5	18.053	18.78	82.7	29.75	83.3	.0368	.7606	18.57.7	N	9 12 „
6	18.052	18.60	83.0	29.88	83.5	.0338	.7620	18.58.7	N	10 12 „
7	18.121	18.86	82.8	29.90	83.3	.0381	.7623	18.58.2	N	11 12 „
8	18.532	18.83	82.9	29.91	83.5	.0375	.7624	18.58.3	N	Midnight.
9	18.670	18.85	82.8	29.90	83.4	.0379	.7623	18.58.3	D	1 12 a. m.
10	18.601	19.12	82.1	29.99	82.9	.0424	.7632	18.58.0	D	2 12 „
11	18.395	19.07	82.1	29.98	82.8	.0415	.7631	18.58.0	D	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 20TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 17th—12	19·287	19.05	82·5	30.08	82·8	8.0411	2.7642	18°58′6	D	4 12 a. m.
13	19.356	18.95	82.3	29.83	82.7	.0395	.7615	18.57.7	L	5 12 „
14	20.179	19.04	82.5	29.97	83.0	.0409	.7630	18.58.2	L	6 12 „
15	20.179	18.97	82.6	30.01	82.9	.0399	.7635	18.58.5	L	7 12 „
16	20.042	19.21	83.1	30.01	83.1	.0427	.7635	18.58.1	L	8 12 „
17	19.973	19.28	83.4	29.95	83.3	.0440	.7628	18.57.7	N	9 12 „
18	19.218	19.37	84.2	29.82	84.0	.0465	.7614	18.56.7	N	10 12 „
19	17.915	19.50	84.9	29.78	84.2	.0485	.7609	18.56.2	N	11 12 „
20	17.229	19.60	85.3	29.71	85.0	.0512	.7602	18.55.7	N	Noon.
21	16.269	19.43	85.1	29.64	84.7	.0475	.7594	18.55.8	D	1 12 p. m.
22	15.994	19.48	84.9	29.66	85.4	.0481	.7596	18.55.9	D	2 12 „
23	17.641	19.27	83.9	29.65	85.1	.0438	.7595	18.56.4	D	3 12 „
July 18th-Noon	18.258	19.32	83.7	29.64	84.8	.0457	.7594	18.56.0	D	4 12 „
1	18.052	19.05	83.4	29.76	84.0	.0411	.7607	18.57.3	L	5 12 „
2	17.915	19.01	83.4	29.82	83.9	.0404	.7614	18.57.6	L	6 12 „
3	17.846	18.92	83.3	29.85	83.7	.0391	.7617	18.57.9	L	7 12 „
4	17.572	18.95	83.2	29.89	83.5	.0395	.7621	18.57.9	L	8 12 „
5	17.641	18.92	83.0	29.91	83.7	.0391	.7624	18.58.1	N	9 12 „
6	17.778	18.99	83.1	30.31	83.7	.0401	.7668	18.59.7	N	10 12 „
7	18.121	19.02	83.1	30.39	83.7	.0407	.7676	18.59.9	N	11 12 „
8	18.189	19.07	83.1	30.51	83.7	.0415	.7690.	19.00.3	N	Midnight.
9	18.121	19.19	83.0	30.61	83.6	.0434	.7701	19.00.6	D	1 12 a. m.
10	18.601	19.23	82.9	30.60	83.2	.0432	.7700	19.00.6	D	2 12 „
11	18.464	19.26	82.8	30.59	82.9	.0436	.7698	19.00.4	D	3 12 „
12	18.395	19.33	82.7	30.58	82.8	.0457	.7697	19.00.3	D	4 12 „
13	18.601	19.22	82.5	30.71	83.0	.0430	.7712	19.01.0	L	5 12 „
14	19.287	19.26	82.7	30.74	83.0	.0436	.7715	19.01.1	L	6 12 „
15	20.179	19.19	82.0	30.77	82.4	.0434	.7718	19.01.3	L	7 12 „
16	20.042	19.12	82.0	30.75	82.4	.0457	.7716	19.00.8	L	8 12 „
17	18.670	19.60	82.0	30.73	82.6	.0502	.7714	19.00.2	N	9 12 „
18	17.915	19.82	82.3	30.73	82.8	.0538	.7714	18.59.7	N	10 12 „
19	17.778	19.87	83.0	30.69	83.0	.0546	.7709	18.59.7	N	11 12 „
20	16.543	19.86	84.0	30.53	83.8	.0544	.7692	18.58.8	N	Noon.
21	15.857	19.73	84.9	30.64	84.6	.0522	.7704	18.59.5	D	1 12 p. m.
22	16.269	19.65	85.7	30.52	85.5	.0510	.7691	18.59.2	D	2 12 „
23	17.160	19.51	85.8	30.57	85.8	.0486	.7696	18.59.6	D	3 12 „
July 20th-Noon	17.641	19.41	85.3	30.54	86.3	.0470	.7693	18.95.8	D	4 12 „
1	18.327	19.25	84.7	30.53	86.1	.0434	.7692	19.00.2	D	5 12 „
2	18.258	19.28	84·4	30.51	85.2	.0438	.7690	19.00.1	D	6 12 „
3	17.366	19.24	84.0	30.46	84.7	.0432	.7684	18.59.9	D	7 12 „
4	17.435	19.15	83.8	30.45	84.4	.0428	.7683	18.59.9	D	8 12 „
5	17.572	19.16	83.6	30.45	84.4	.0430	.7683	18.59.9	N	9 12 „
6	17.846	19.15	83.4	30.47	84.2	.0428	.7685	19.00.0	N	10 12 „
7	18.052	19.20	83.3	30.50	84.1	.0436	.7690	19.00.1	N	11 12 „
8	18.258	19.24	83.2	30.52	84.0	.0432	.7691	19.00.2	N	Midnight.
9	18.464	19.24	83.2	30.62	83.9	.0432	.7702	19.00.6	D	1 12 a. m.
10	18.327	19.02	83.1	30.61	83.7	.0407	.7701	19.00.9	D	2 12 „
11	18.532	19.05	83.0	30.61	83.8	.0411	.7701	19.00.9	D	3 12 „
12	18.601	19.20	83.0	30.51	83.8	.0426	.7690	19.00.2	D	4 12 „
13	18.807	19.14	83.0	30.49	83.5	.0426	.7687	19.00.1	L	5 12 „
14	19.493	19.24	83.0	30.50	83.4	.0432	.7689	19.00.1	L	6 12 „
15	19.973	19.32	83.0	30.50	83.4	.0457	.7689	18.59.7	L	7 12 „
16	19.287	19.67	83.7	30.51	83.8	.0514	.7690	18.59.2	L	8 12 „
17	17.709	19.96	84.7	30.52	84.1	.0561	.7691	18.58.5	N	9 12 „
18	17.160	20.12	84.7	30.53	84.4	.0585	.7690	18.58.1	N	10 12 „
19	16.612	20.25	85.0	30.52	84.8	.0608	.7691	18.57.9	N	11 12 „
20	15.240	20.31	86.0	30.49	85.6	.0617	.7687	18.57.6	N	Noon.
21	14.622	20.17	86.3	30.41	85.9	.0596	.7679	18.57.5	D	1 12 p. m.
22	15.240	19.95	86.2	30.49	86.4	.0559	.7687	18.58.4	D	2 12 „
23	16.200	19.73	86.1	30.48	86.0	.0532	.7686	18.58.7	D	3 12 „

On the 17th, at about 19h., Dip as obtained by Observation was 18°55′0.
On the 18th, at about 22h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD JULY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JULY 21ST—Noon	17·092	19.45	85·5	30.45	85·6	8.0477	2.7683	18°59′3	L	4 12 p. m.
1	17.572	19.34	85.3	30.45	85.6	.0459	.7683	18.59.5	L	5 12 "
2	17.984	19.18	84.9	30.48	85.4	.0432	.7686	19.00.0	L	6 12 "
3	17.915	18.98	84.4	30.46	85.2	.0399	.7684	19.00.3	L	7 12 "
4	17.572	18.94	84.2	30.43	85.0	.0393	.7681	19.00.3	L	8 12 "
5	17.572	18.87	84.0	30.48	84.8	.0383	.7686	19.00.7	N	9 12 "
6	17.846	18.89	83.9	30.49	84.7	.0385	.7687	19.00.6	N	10 12 "
7	17.846	18.91	83.8	30.49	84.6	.0388	.7687	19.00.6	N	11 12 "
8	18.052	18.95	83.8	30.44	84.5	.0395	.7682	19.00.2	N	Midnight.
9	18.121	19.35	83.8	30.38	84.2	.0461	.7675	18.59.2	D	1 12 a. m.
10	18.395	19.14	83.7	30.37	83.9	.0426	.7674	18.59.5	D	2 12 "
11	18.532	19.12	83.6	30.36	83.8	.0424	.7673	18.59.5	D	3 12 "
12	18.601	19.19	83.7	30.41	83.9	.0434	.7679	18.59.7	D	4 12 "
13	18.944	19.20	83.4	30.40	83.9	.0426	.7678	18.59.7	L	5 12 "
14	19.561	19.32	83.4	30.39	83.8	.0457	.7676	18.59.2	L	6 12 "
15	19.836	19.55	83.4	30.39	83.8	.0493	.7676	18.58.8	L	7 12 "
16	19.218	19.85	83.7	30.39	84.0	.0542	.7676	18.58.2	L	8 12 "
17	18.189	19.96	84.2	30.42	84.0	.0561	.7680	18.58.1	N	9 12 "
18	16.406	20.01	85.0	30.45	85.0	.0568	.7683	18.58.1	N	10 12 "
19	15.240	20.02	85.3	30 43	85.2	.0569	.7681	18.58.0	N	11 12 "
20	14.004	20.04	86.0	30.42	85.8	.0573	.7680	18.58.0	N	Noon.
21	15.240	19.84	86.7	30.39	86.2	.0540	.7676	18.58.2	D	1 12 p. m.
22	15.994	19.65	86.7	30.35	86.7	.0510	.7672	18.58.8	D	2 12 "
23	16.955	19.32	86.1	30.40	86.8	.0457	.7678	18.59.3	D	3 12 "
JULY 22ND—Noon	17.366	19.29	85.7	30.39	86.3	.0440	.7676	18.59.5	D	4 12 "
1	17.435	19.25	85.1	30.39	85.8	.0434	.7676	18.59.6	L	5 12 "
2	17.092	19.23	84.7	30.35	85.4	.0430	.7672	18.59.4	L	6 12 "
3	17.229	19.05	84.3	30.43	85.0	.0411	.7681	19.00.1	L	7 12 "
4	17.435	19.01	84.1	30.49	84.9	.0404	.7687	19.00.5	L	8 12 "
5	17.298	19.04	84.0	30.54	84.8	.0409	.7693	19.00.6	N	9 12 "
6	17.366	19.14	83.9	30.54	84.8	.0426	.7693	19.00.3	N	10 12 "
7	17.984	19.10	83.8	30.54	84.7	.0420	.7693	19.00.4	N	11 12 "
8	17.915	19.14	83.7	30.53	84.3	.0426	.7692	19.00.2	N	Midnight.
9	18.121	19.16	83.8	30.63	84.2	.0430	.7703	19.00.7	D	1 12 a. m.
10	18.327	19.34	83.7	30.62	83.9	.0459	.7702	19.00.2	D	2 12 "
11	18.532	19.37	83.6	30.57	83.9	.0465	.7696	18.59.9	D	3 12 "
12	18.670	19.19	83.7	20.62	84.0	.0434	.7702	19.00.6	D	4 12 "
13	19.287	19.19	83.4	30.57	83.9	.0434	.7696	19.00.4	L	5 12 "
14	19.904	19.30	83.4	30.59	83.8	.0453	.7698	19.00.2	L	6 12 "
15	20.042	19.36	83.3	30.61	83.7	.0463	.7701	19.00.2	L	7 12 "
16	18.464	19.47	83.4	30.62	83.9	.0481	.7702	19.00.0	L	8 12 "
17	18.052	19.51	83.0	30.61	83.6	.0486	.7701	18.59.8	N	9 12 "
18	17.229	19.26	83.3	30.63	83.7	.0436	.7703	19.00.6	N	10 12 "
19	16.269	19.12	84.1	30.66	84.1	.0424	.7706	19.00.9	N	11 12 "
20	15.514	19.06	85.0	30.71	85.0	.0413	.7712	19.01.3	N	Noon.
21	16.680	19.01	85.0	30.67	85.6	.0404	.7707	19.01.3	D	1 12 p. m.
22	16.955	18.83	83.4	30.64	84.1	.0375	.7704	19.01.4	D	2 12 "
23	17.641	18.89	83.5	30.63	84.3	.0385	.7703	19.01.2	D	3 12 "
JULY 23RD—Noon	17.641	18.83	83.4	30.62	84.1	.0375	.7702	19.01.3	D	4 12 "
1	17.366	18.70	83.0	30.61	83.5	.0354	.7701	19.01.6	L	5 12 "
2	17.778	18.70	82.2	30.57	83.1	.0354	.7696	19.01.4	L	6 12 "
3	17.709	18.70	82.2	30.59	83.0	.0354	.7698	19.01.5	L	7 12 "
4	17.641	18.69	81.6	30.58	82.6	.0352	.7697	19.01.5	L	8 12 "
5	17.641	18.78	81.8	30.58	82.6	.0366	.7697	19.01.3	N	9 12 "
6	17.915	18.83	81.9	30.66	82.6	.0375	.7706	19.01.5	N	10 12 "
7	18.395	18.81	81.6	30.67	82.2	.0372	.7707	19.01.7	N	11 12 "
8	18.738	18.71	81.3	30.66	81.9	.0355	.7706	19.01.7	N	Midnight.
9	18.807	18.83	80.9	30.65	81.7	.0375	.7705	19.01.5	D	1 12 a. m.
10	19.356	19.00	81.0	30.59	81.2	.0403	.7698	19.00.9	D	2 12 "
11	19.150	18.83	80.9	30.58	81.1	.0375	.7697	19.01.2	D	3 12 "

On the 21st, at about 19h., Dip as obtained by Observation was 19°05′0.

DAILY OBSERVATIONS FROM 23RD TO 25TH JULY 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
JULY 23RD—12	18'807	18.86	80°8	30.63	81°0	8.0381	2.7703	19°01'4	D	4 12 a. m.
13	19.013	18.72	80.1	30.72	80.8	.0358	.7713	19.02.0	L	5 12 ,,
14	19.630	18.77	80.3	30.99	80.4	.0366	.7742	19.03.0	L	6 12 ,,
15	20.042	19.05	81.0	31.02	81.0	.0411	.7746	19.02.7	L	7 12 ,,
16	20.522	19.07	79.9	30.98	80.4	.0415	.7741	19.02.3	L	8 12 ,,
17	19.561	19.32	79.7	31.01	80.3	.0457	.7745	19.02.0	N	9 12 ,,
18	17.778	19.55	80.0	31.01	80.2	.0493	.7745	19.01.6	N	10 12 ,,
19	16.680	19.63	79.6	31.00	80.0	.0506	.7744	19.01.3	N	11 12 ,,
20	15.107	19.66	80.0	31.00	80.1	.0514	.7744	19.01.3	N	Noon.
21	15.651	19.39	79.8	31.00	80.0	.0467	.7744	19.01.8	D	1 12 p. m.
22	16.269	19.13	79.7	30.96	80.3	.0424	.7739	19.02.2	D	2 12 ,,
23	18.052	18.81	79.3	30.96	80.4	.0372	.7739	19.02.9	D	3 12 ,,
JULY 24TH—Noon	18.670	18.81	79.8	31.03	80.2	.0372	.7747	19.03.3	D	4 12 ,,
1	18.670	19.00	80.7	31.08	80.9	.0403	.7752	19.03.0	L	5 12 ,,
2	18.189	18.91	81.0	31.03	81.2	.0388	.7747	19.03.0	L	6 12 ,,
3	17.846	18.85	80.9	31.01	81.2	.0379	.7745	19.03.1	L	7 12 ,,
4	17.641	18.73	80.0	30.97	81.0	.0358	.7740	19.03.1	L	8 12 ,,
5	17.366	18.73	79.5	31.01	80.2	.0358	.7745	19.03.3	N	9 12 ,,
6	17.915	18.75	79.7	31.00	80.1	.0362	.7744	19.03.2	N	10 12 ,,
7	17.709	18.65	79.5	31.00	80.0	.0346	.7744	19.03.3	N	11 12 ,,
8	18.327	18.79	79.7	31.01	79.8	.0378	.7745	19.03.1	N	Midnight.
9	18.121	18.99	79.9	31.06	80.2	.0401	.7750	19.03.0	D	1 12 a. m.
10	18.052	19.01	79.8	31.09	80.1	.0404	.7753	19.03.1	D	2 12 ,,
11	18.327	19.05	79.7	31.04	80.2	.0413	.7748	19.02.8	D	3 12 ,,
12	18.532	19.07	79.9	31.11	80.2	.0415	.7756	19.02.9	D	4 12 ,,
13	18.738	19.11	80.1	31.10	80.5	.0421	.7755	19.02.9	L	5 12 ,,
14	19.904	19.18	80.3	31.12	80.6	.0432	.7757	19.02.9	L	6 12 ,,
15	20.385	19.31	80.6	31.12	80.8	.0454	.7757	19.02.6	L	7 12 ,,
16	20.522	19.26	80.6	31.11	81.0	.0436	.7756	19.02.7	L	8 12 ,,
17	18.601	19.61	80.8	31.12	80.8	.0503	.7757	19.02.0	N	9 12 ,,
18	16.612	19.84	81.9	31.13	81.8	.0540	.7758	19.01.5	N	10 12 ,,
19	14.828	19.50	81.4	31.04	81.2	.0485	.7748	19.01.7	N	11 12 ,,
20	14.691	19.48	81.8	31.17	81.1	.0481	.7762	19.02.3	N	Noon.
21	15.308	19.47	81.9	31.25	81.7	.0481	.7771	19.02.7	D	1 12 p. m.
22	16.843	19.55	82.3	31.15	81.8	.0493	.7760	19.02.1	D	2 12 ,,
23	16.955	19.35	82.5	31.18	82.5	.0461	.7763	19.02.6	D	3 12 ,,
JULY 25TH—Noon	17.298	19.25	82.8	31.19	82.9	.0434	.7764	19.03.0	D	4 12 ,,
1	17.641	19.05	82.4	31.18	82.7	.0411	.7763	19.03.3	L	5 12 ,,
2	17.915	18.98	82.2	31.16	82.5	.0399	.7761	19.03.3	L	6 12 ,,
3	17.572	18.91	81.6	31.14	82.0	.0388	.7759	19.03.4	L	7 12 ,,
4	17.503	18.84	81.1	31.13	81.6	.0377	.7738	19.03.6	L	8 12 ,,
5	17.366	18.90	81.1	31.15	81.8	.0387	.7760	19.03.4	N	9 12 ,,
6	17.503	18.90	81.1	31.20	81.6	.0387	.7766	19.03.7	N	10 12 ,,
7	17.846	18.97	81.1	31.20	81.6	.0399	.7766	19.03.5	N	11 12 ,,
8	18.189	18.97	81.0	31.18	81.6	.0399	.7763	19.03.4	N	Midnight.
9	18.327	19.03	81.1	31.15	81.7	.0407	.7760	19.03.2	D	1 12 a. m.
10	18.532	19.02	81.1	31.15	81.6	.0407	.7760	19.03.2	D	2 12 ,,
11	18.601	19.00	81.0	31.14	81.3	.0403	.7759	19.03.3	D	3 12 ,,
12	18.601	19.03	80.9	31.08	80.9	.0407	.7752	19.02.9	D	4 12 ,,
13	18.670	19.01	80.7	31.13	80.9	.0404	.7758	19.03.3	L	5 12 ,,
14	19.493	19.18	80.7	31.11	80.9	.0432	.7756	19.02.8	L	6 12 ,,
15	19.973	19.07	80.3	31.10	80.6	.0415	.7755	19.02.9	L	7 12 ,,
16	20.316	19.20	81.1	31.13	81.0	.0426	.7758	19.02.9	L	8 12 ,,
17	19.150	19.34	81.0	31.13	81.0	.0459	.7758	19.02.5	N	9 12 ,,
18	18.327	19.47	81.6	31.14	81.4	.0481	.7759	19.02.3	N	10 12 ,,
19	17.229	19.36	81.8	31.07	81.8	.0457	.7751	19.02.3	N	11 12 ,,
20	16.680	19.29	81.2	31.10	81.5	.0440	.7755	19.02.7	N	Noon.
21	16.543	19.48	80.4	31.04	81.3	.0481	.7748	19.01.9	D	1 12 p. m.
22	16.955	19.49	81.2	31.06	81.6	.0483	.7750	19.02.0	D	2 12 ,,
23	16.955	19.47	81.8	31.06	81.9	.0481	.7750	19.02.0	D	3 12 ,,

On the 24th, at about 19h., Dip as obtained by Observation was 19°11'2.

DAILY OBSERVATIONS FROM 27TH TO 29TH JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
July 27th-Noon	17.572	19.07	81.5	31.09	82.0	8.0415	2.7753	19°02'8	L	4 12 p. m.
1	17.572	18.93	81.1	31.08	81.9	.0391	.7752	19.03.1	L	5 12 „
2	17.778	18.93	80.9	31.07	81.6	.0391	.7751	19.03.1	L	6 12 „
3	17.298	18.78	80.4	31.07	81.2	.0366	.7751	19.03.4	L	7 12 „
4	16.886	19.02	80.4	31.08	81.0	.0407	.7754	19.03.0	L	8 12 „
5	17.298	18.95	80.8	31.12	81.2	.0395	.7757	19.03.3	N	9 12 „
6	17.641	18.97	80.9	31.15	81.5	.0399	.7760	19.03.3	N	10 12 „
7	17.709	19.03	81.0	31.14	81.4	.0407	.7759	19.03.2	N	11 12 „
8	18.121	18.89	80.9	31.15	81.6	.0393	.7760	19.03.4	N	Midnight.
9	18.670	18.95	81.0	31.05	81.8	.0395	.7749	19.02.9	D	1 12 a. m.
10	19.218	18.76	80.9	31.11	81.9	.0354	.7756	19.03.8	D	2 12 „
11	19.493	18.72	80.6	31.06	81.4	.0358	.7750	19.03.5	D	3 12 „
12	19.699	18.93	80.4	31.03	80.9	.0391	.7747	19.03.0	D	4 12 „
13	19.836	19.01	80.7	31.11	81.0	.0404	.7756	19.03.2	L	5 12 „
14	20.728	19.04	81.0	31.11	81.1	.0409	.7756	19.03.1	L	6 12 „
15	21.482	19.13	80.9	31.12	81.2	.0426	.7757	19.02.9	L	7 12 „
16	21.208	19.32	81.0	31.09	81.2	.0465	.7753	19.02.2	L	8 12 „
17	20.522	19.48	80.9	31.09	81.1	.0481	.7753	19.02.1	N	9 12 „
18	19.904	19.62	81.1	31.12	81.4	.0506	.7757	19.01.9	N	10 12 „
19	19.081	19.67	81.6	31.10	81.8	.0514	.7755	19.01.8	N	11 12 „
20	17.709	19.63	81.3	31.03	81.1	.0506	.7747	19.01.5	N	Noon.
21	17.366	19.75	82.7	31.05	81.7	.0526	.7749	19.01.2	D	1 12 p. m.
22	17.298	19.62	83.1	31.07	82.3	.0506	.7751	19.01.6	D	2 12 „
23	18.327	19.30	83.0	31.08	82.7	.0453	.7752	19.02.3	D	3 12 „
July 28th-Noon	18.670	19.17	81.8	31.08	82.7	.0432	.7752	19.02.6	D	4 12 „
1	19.218	18.98	80.8	30.99	81.7	.0399	.7742	19.02.6	L	5 12 „
2	19.081	18.80	81.2	31.02	81.7	.0371	.7746	19.03.2	L	6 12 „
3	18.532	18.62	80.7	31.01	81.4	.0342	.7745	19.03.6	L	7 12 „
4	18.670	18.73	80.7	31.02	81.2	.0358	.7746	19.03.3	L	8 12 „
5	18.464	18.83	80.4	31.04	81.2	.0375	.7748	19.03.2	N	9 12 „
6	18.670	18.84	80.7	31.02	81.0	.0377	.7747	19.03.2	N	10 12 „
7	18.875	18.87	80.5	31.03	80.9	.0383	.7747	19.03.2	N	11 12 „
8	19.081	18.89	80.7	31.04	81.2	.0385	.7748	19.03.1	N	Midnight.
9	19.218	18.92	80.6	31.03	81.0	.0391	.7747	19.03.0	D	1 12 a. m.
10	19.013	19.03	81.4	31.07	82.3	.0406	.7751	19.02.9	D	2 12 „
11	19.356	19.00	81.0	31.05	81.7	.0403	.7749	19.02.9	D	3 12 „
12	19.287	18.96	80.8	31.05	81.5	.0397	.7749	19.02.9	D	4 12 „
13	20.179	18.86	80.1	31.00	80.8	.0386	.7744	19.02.8	L	5 12 „
14	20.933	18.96	80.2	31.03	80.9	.0397	.7747	19.02.9	L	6 12 „
15	21.276	19.13	80.2	31.02	80.5	.0424	.7746	19.02.5	L	7 12 „
16	20.933	19.28	80.1	30.99	80.3	.0438	.7742	19.02.1	L	8 12 „
17	20.179	19.64	80.5	31.02	80.6	.0508	.7746	19.01.4	N	9 12 „
18	17.984	20.00	82.0	31.01	80.9	.0567	.7745	19.00.6	N	10 12 „
19	16.680	20.03	83.3	31.07	83.0	.0571	.7751	19.00.8	N	11 12 „
20	16.269	19.73	83.8	31.05	83.6	.0522	.7749	19.01.3	N	Noon.
21	15.926	19.73	84.1	31.07	83.9	.0522	.7751	19.01.4	D	1 12 p. m.
22	17.229	19.57	83.9	30.98	84.3	.0497	.7741	19.01.3	D	2 12 „
23	17.092	19.35	83.0	31.01	84.0	.0461	.7745	19.02.0	D	3 12 „
July 29th-Noon	17.229	19.29	83.2	31.02	84.1	.0440	.7746	19.02.3	D	4 12 „
1	18.189	19.04	82.6	30.92	83.3	.0409	.7735	19.02.3	L	5 12 „
2	18.327	19.00	81.5	30.90	82.3	.0403	.7733	19.02.3	L	6 12 „
3	17.778	18.92	81.5	30.92	82.0	.0391	.7735	19.02.6	L	7 12 „
4	18.189	18.90	81.7	30.94	82.0	.0387	.7737	19.02.6	L	8 12 „
5	18.464	18.95	81.5	30.96	82.0	.0395	.7739	19.02.5	N	9 12 „
6	18.601	18.96	81.0	30.94	81.2	.0397	.7737	19.02.5	N	10 12 „
7	18.875	18.86	81.0	30.94	81.2	.0381	.7737	19.02.8	N	11 21 „
8	19.081	18.87	81.0	31.02	81.4	.0383	.7746	19.03.1	N	Midnight.
9	19.356	18.65	80.5	31.02	81.0	.0346	.7746	19.03.4	D	1 12 a. m.
10	19.424	18.68	80.4	31.03	81.0	.0350	.7747	19.03.5	D	2 12 „
11	19.699	18.82	80.1	31.03	80.9	.0375	.7747	19.03.2	D	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°47'5.

DAILY OBSERVATIONS FROM 29TH TO 31ST JULY 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
JULY 29TH—12	19°356	19.00	80°0	31.02	80°8	8.0403	2.7746	19°02'8	D	4 12 a.m.
13	19.767	18.93	80.4	31.04	80.8	.0391	.7748	19.03.0	L	5 12 „
14	20.728	18.92	80.2	31.03	80.4	.0391	.7747	19.03.0	L	6 12 „
15	21.482	19.11	80.7	31.05	81.0	.0421	.7749	19.02.6	L	7 12 „
16	21.139	19.32	81.1	31.05	81.0	.0457	.7749	19.02.1	L	8 12 „
17	19.081	19.42	81.1	31.03	81.0	.0473	.7747	19.02.0	N	9 12 „
18	16.955	19.70	81.7	31.03	81.7	.0518	.7747	19.01.3	N	10 12 „
19	15.788	19.47	81.7	30.99	81.7	.0481	.7742	19.01.6	N	11 12 „
20	16.663	19.66	82.6	31.04	82.0	.0512	.7748	19.01.5	N	Noon.
21	16.543	19.69	83.4	31.04	83.1	.0516	.7748	19.01.3	D	1 12 p.m.
22	17.641	19.55	83.7	31.01	83.7	.0493	.7745	19.01.6	D	2 12 „
23	18.670	19.49	83.7	31.01	83.9	.0483	.7745	19.01.8	D	3 12 „
JULY 30TH-Noon	19.013	19.17	83.8	30.98	84.3	.0432	.7741	19.02.2	D	4 12 „
1	19.081	19.04	83.3	30.98	83.9	.0409	.7741	19.02.5	L	5 12 „
2	18.670	19.00	82.9	30.98	83.3	.0403	.7741	19.02.6	L	6 12 „
3	18.395	18.91	82.3	30.97	83.0	.0388	.7740	19.02.7	L	7 12 „
4	18.464	18.82	82.1	30.98	82.8	.0375	.7740	19.02.9	L	8 12 „
5	18.670	18.83	82.0	31.00	82.5	.0375	.7744	19.03.0	N	9 12 „
6	18.875	18.81	81.8	30.99	82.2	.0372	.7742	19.03.0	N	10 12 „
7	18.875	18.74	81.2	31.00	82.0	.0360	.7744	19.03.2	N	11 12 „
8	19.081	18.90	81.5	31.00	82.0	.0387	.7744	19.02.8	N	Midnight.
9	19.218	18.99	81.7	31.01	82.1	.0401	.7745	19.02.8	D	1 12 a.m.
10	19.218	18.91	81.5	31.04	82.0	.0388	.7748	19.03.0	D	2 12 „
11	19.287	18.95	81.5	31.05	81.8	.0395	.7749	19.02.9	D	3 12 „
12	19.356	19.03	81.4	31.01	81.9	.0407	.7745	19.02.7	D	4 12 „
13	19.561	18.98	81.3	31.02	82.0	.0399	.7746	19.02.8	L	5 12 „
14	20.590	19.00	81.2	31.04	82.0	.0403	.7748	19.02.9	L	6 12 „
15	20.933	19.26	81.4	31.04	82.0	.0436	.7748	19.02.4	L	7 12 „
16	20.316	19.54	81.9	31.02	82.2	.0491	.7746	19.01.6	L	8 12 „
17	19.287	19.88	82.7	31.03	83.0	.0546	.7747	19.00.9	N	9 12 „
18	18.189	20.08	83.5	31.00	83.2	.0579	.7744	19.00.4	N	10 12 „
19	16.269	20.16	83.5	30.96	83.6	.0594	.7739	19.00.0	N	11 12 „
20	15.651	20.06	83.8	30.93	83.8	.0577	.7736	19.00.1	N	Noon.
21	15.583	19.82	84.1	30.92	84.0	.0538	.7735	19.00.6	D	1 12 p.m.
22	16.269	19.60	84.5	30.93	84.4	.0502	.7736	19.01.1	D	2 12 „
23	16.955	19.29	84.4	30.89	84.8	.0440	.7732	19.01.7	D	3 12 „
JULY 31ST-Noon	18.327	19.01	83.8	30.84	84.8	.0404	.7726	19.02.0	D	4 12 „
1	18.807	18.92	83.1	30.90	84.0	.0391	.7733	19.02.4	L	5 12 „
2	18.807	18.84	82.8	30.89	83.5	.0377	.7731	19.02.5	L	6 12 „
3	18.464	18.70	82.5	30.89	83.3	.0354	.7731	19.02.8	L	7 12 „
4	18.327	18.64	82.2	30.88	83.0	.0344	.7730	19.02.8	L	8 12 „
5	18.944	18.75	81.9	30.88	82.7	.0364	.7730	19.02.7	N	9 12 „
6	18.944	18.58	81.5	30.87	82.2	.0333	.7729	19.03.0	N	10 12 „
7	19.081	18.73	81.4	30.90	82.1	.0358	.7733	19.02.8	N	11 12 „
8	19.287	18.73	81.4	30.90	81.9	.0358	.7733	19.02.8	N	Midnight.
9	19.013	18.93	81.4	30.80	81.8	.0391	.7722	19.01.9	D	1 12 a.m.
10	19.013	18.72	81.1	30.90	81.7	.0358	.7722	19.02.3	D	2 12 „
11	19.699	18.77	81.1	30.85	81.7	.0366	.7727	19.02.6	D	3 12 „
12	19.699	18.87	81.1	30.90	81.5	.0383	.7733	19.02.6	D	4 12 „
13	19.973	18.89	81.2	30.92	81.9	.0385	.7735	19.02.5	L	5 12 „
14	20.590	18.89	81.0	30.93	81.9	.0385	.7736	19.02.5	L	6 12 „
15	20.796	18.98	80.5	30.91	81.0	.0399	.7734	19.02.3	L	7 12 „
16	19.973	19.34	81.2	30.94	81.3	.0469	.7737	19.01.6	L	8 12 „
17	19.081	19.62	81.7	30.93	81.8	.0506	.7736	19.01.0	N	9 12 „
18	18.189	19.84	82.3	30.96	82.0	.0540	.7739	19.00.7	N	10 12 „
19	17.503	19.99	83.6	30.96	83.2	.0565	.7739	19.00.3	N	11 12 „
20	16.955	19.95	84.4	30.92	84.0	.0559	.7735	19.00.3	N	Noon.
21	17.092	19.85	84.4	30.99	84.5	.0542	.7743	19.00.9	D	1 12 p.m.
22	17.641	19.56	84.3	30.89	84.8	.0495	.7731	19.00.9	D	2 12 „
23	18.258	19.23	83.9	30.85	84.9	.0430	.7727	19.01.7	D	3 12 „

On the 31st, at about 18h., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS FROM 1ST TO 4TH AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 1st—Noon	18'875	19.09	83°2	30.82	84°1	8.0417	2.7724	19°01'6	D	4 12 p. m.
1	19.424	18.99	82.7	30.89	83.5	.0401	.7731	19.02.2	N	5 12 „
2	19.081	19.02	82.3	30.86	82.8	.0407	.7728	19.02.0	L	6 12 „
3	18.670	18.89	82.0	30.87	82.7	.0385	.7729	19.02.2	L	7 12 „
4	18.807	18.86	81.9	30.87	82.3	.0371	.7729	19.02.5	L	8 12 „
5	18.670	18.91	81.8	30.86	82.0	.0388	.7728	19.02.2	L	9 12 „
6	18.670	18.96	81.9	30.89	82.1	.0397	.7731	19.02.2	L	10 12 „
7	19.081	18.96	81.6	30.88	82.0	.0397	.7730	19.02.2	L	11 12 „
8	19.218	18.96	81.6	30.90	82.0	.0397	.7733	19.02.3	L	Midnight.
9	19.287	19.03	81.7	30.86	81.9	.0407	.7728	19.02.0	D	1 12 a. m.
10	19.356	19.03	81.7	30.90	81.8	.0407	.7733	19.02.2	D	2 12 „
11	19.424	18.89	81.0	30.90	81.8	.0385	.7733	19.02.4	D	3 12 „
12	19.356	19.01	80.8	30.95	81.8	.0404	.7738	19.02.5	D	4 12 „
13	19.633	19.01	81.0	31.05	81.5	.0404	.7749	19.02.9	L	5 12 „
14	20.316	19.10	81.0	31.06	81.2	.0420	.7750	19.02.7	L	6 12 „
15	20.453	19.15	81.0	31.06	81.4	.0428	.7750	19.02.6	L	7 12 „
16	19.973	19.37	81.4	31.05	81.6	.0465	.7749	19.02.0	L	8 12 „
17	18.052	19.54	81.7	31.04	81.9	.0491	.7748	19.01.7	D	9 12 „
18	16.680	19.75	82.0	30.96	82.1	.0526	.7739	19.00.8	D	10 12 „
19	15.857	19.85	82.7	31.03	82.7	.0542	.7747	19.01.1	D	11 12 „
20	15.171	19.65	82.3	30.98	82.9	.0510	.7741	19.01.2	D	Noon.
21	15.583	19.66	82.9	31.10	82.6	.0502	.7755	19.01.9	S	1 12 p. m.
22	17.092	19.55	83.2	31.11	82.9	.0493	.7756	19.02.0	S	2 12 „
23	17.846	19.39	83.4	31.12	83.4	.0467	.7757	19.02.4	S	3 12 „
Aug. 3rd—Noon	18.258	19.50	83.0	31.21	83.5	.0485	.7767	19.02.4	N	4 12 „
1	18.052	19.29	82.7	31.11	83.0	.0440	.7756	19.02.7	N	5 12 „
2	17.641	19.14	82.2	31.09	83.0	.0426	.7753	19.02.7	N	6 12 „
3	17.641	19.04	82.1	31.08	82.8	.0409	.7752	19.02.9	N	7 12 „
4	17.984	19.24	81.9	31.08	82.6	.0432	.7753	19.02.6	N	8 12 „
5	18.052	19.19	81.9	31.07	82.3	.0434	.7751	19.02.6	L	9 12 „
6	18.258	19.35	81.9	31.07	82.3	.0461	.7751	19.02.2	L	10 12 „
7	18.738	19.23	81.9	31.07	82.2	.0430	.7751	19.02.6	L	11 12 „
8	19.424	18.89	81.8	31.07	82.2	.0385	.7751	19.03.1	L	Midnight.
9	19.699	19.12	81.8	31.07	82.2	.0424	.7751	19.02.7	D	1 12 a. m.
10	19.699	19.34	81.7	31.07	82.3	.0459	.7751	19.02.2	D	2 12 „
11	19.699	19.33	81.7	31.07	82.2	.0459	.7751	19.02.2	D	3 12 „
12	19.904	19.00	81.5	31.06	82.1	.0403	.7750	19.03.0	D	4 12 „
13	19.661	18.95	81.3	31.06	82.0	.0395	.7750	19.03.0	N	5 12 „
14	20.659	18.90	81.0	31.11	81.7	.0387	.7756	19.03.3	N	6 12 „
15	22.101	18.85	81.2	31.13	81.7	.0379	.7758	19.03.6	N	7 12 „
16	22.101	19.06	81.8	31.10	81.8	.0413	.7755	19.03.1	N	8 12 „
17	20.796	19.28	82.4	31.07	82.2	.0438	.7751	19.02.5	L	9 12 „
18	19.287	19.47	83.1	31.04	82.9	.0481	.7748	19.01.9	L	10 12 „
19	18.395	19.63	84.0	31.02	83.4	.0506	.7746	19.01.4	L	11 12 „
20	17.641	19.61	84.0	30.98	83.4	.0503	.7741	19.01.3	L	Noon.
21	17.435	19.53	84.4	30.77	83.9	.0489	.7718	19.00.5	D	1 12 p. m.
22	17.572	19.50	84.5	30.59	84.5	.0485	.7698	18.59.7	D	2 12 „
23	17.641	19.13	83.9	30.93	84.3	.0424	.7736	19.02.1	D	3 12 „
Aug. 4th—Noon	18.052	18.89	83.2	30.92	84.0	.0385	.7735	19.02.5	D	4 12 „
1	18.532	18.83	82.7	30.94	83.2	.0375	.7737	19.02.8	N	5 12 „
2	19.287	18.60	81.9	30.93	82.5	.0338	.7736	19.03.2	N	6 12 „
3	18.189	18.64	81.9	30.87	82.2	.0344	.7729	19.02.9	N	7 12 „
4	18.052	18.71	81.8	30.79	82.2	.0355	.7720	19.02.3	N	8 12 „
5	18.532	18.53	81.7	30.77	82.2	.0325	.7718	19.02.6	L	9 12 „
6	19.150	18.53	81.7	30.71	82.2	.0325	.7712	19.02.3	L	10 12 „
7	19.630	18.71	81.5	30.68	82.0	.0355	.7708	19.01.8	L	11 12 „
8	19.424	18.74	81.7	30.66	82.1	.0360	.7706	19.01.7	L	Midnight.
9	19.356	18.75	81.5	30.66	82.1	.0362	.7706	19.01.7	D	1 12 a. m.
10	19.424	18.91	81.8	30.66	82.0	.0388	.7706	19.01.3	D	2 12 „
11	19.356	19.05	81.7	30.66	82.0	.0411	.7706	19.01.1	D	3 12 „

DAILY OBSERVATIONS FROM 4TH TO 6TH AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 4th—12	19'699	18.91	81°3	30.71	81°9	8.0388	2.7712	19°01'6	D	4 12 a. m.
13	20.042	18.74	81.2	30.75	81.7	.0360	.7716	19.02.1	N	5 12 „
14	20.590	18.95	81.0	30.83	81.5	.0395	.7725	19.02.0	N	6 12 „
15	21.758	18.87	81.1	30.80	81.5	.0383	.7722	19.02.1	N	7 12 „
16	21.412	19.06	81.7	30.80	81.7	.0413	.7722	19.01.7	N	8 12 „
17	21.071	19.13	81.9	30.78	82.0	.0426	.7719	19.01.3	L	9 12 „
18	19.493	19.16	81.3	30.75	81.7	.0430	.7716	19.01.2	L	10 12 „
19	17.984	19.36	82.1	30.76	82.0	.0463	.7717	19.00.9	L	11 12 „
20	16.680	19.49	82.3	30.76	82.1	.0483	.7717	19.00.7	L	Noon.
21	17.641	19.53	82.9	30.72	82.3	.0489	.7713	19.00.3	D	1 12 p. m.
22	17.778	19.38	82.9	30.79	83.0	.0465	.7720	19.00.9	D	2 12 „
23	18.208	19.28	82.9	30.80	83.2	.0448	.7722	19.01.1	D	3 12 „
Aug. 5th—Noon	18.738	19.11	82.5	30.79	82.9	.0412	.7724	19.01.7	D	4 12 „
1	18.875	18.91	82.1	30.78	82.5	.0388	.7719	19.01.8	N	5 12 „
2	18.875	18.77	81.3	30.76	81.9	.0366	.7717	19.02.1	N	6 12 „
3	18.944	18.73	81.1	30.75	81.5	.0358	.7716	19.02.1	N	7 12 „
4	18.464	18.77	81.0	30.73	81.1	.0366	.7714	19.01.9	N	8 12 „
5	18.738	18.80	81.0	30.76	81.4	.0371	.7717	19.02.1	L	9 12 „
6	19.356	18.64	80.1	30.74	81.2	.0344	.7715	19.02.4	L	10 12 „
7	19.287	19.07	80.8	30.77	81.0	.0415	.7718	19.02.7	L	11 12 „
8	19.356	18.74	80.3	30.76	80.7	.0360	.7717	19.02.2	L	Midnight.
9	19.356	18.83	80.7	30.78	80.9	.0375	.7719	19.02.0	D	1 12 a. m.
10	19.356	18.85	80.8	30.84	81.4	.0379	.7726	19.02.3	D	2 12 „
11	20.042	18.84	80.7	30.84	81.3	.0377	.7726	19.02.3	D	3 12 „
12	19.699	18.71	80.3	30.84	81.2	.0355	.7726	19.02.5	D	4 12 „
13	19.630	18.77	80.1	30.82	80.5	.0366	.7724	19.02.3	N	5 12 „
14	20.933	18.68	80.0	30.81	80.2	.0350	.7723	19.02.5	N	6 12 „
15	21.276	18.85	80.1	30.83	80.0	.0379	.7725	19.02.3	N	7 12 „
16	20.590	18.95	80.0	30.85	80.0	.0395	.7727	19.02.1	N	8 12 „
17	19.493	19.32	81.0	30.87	80.9	.0357	.7729	19.01.3	L	9 12 „
18	18.395	19.61	82.0	30.89	81.6	.0503	.7731	19.00.9	L	10 12 „
19	17.984	19.55	83.1	30.91	82.4	.0493	.7734	19.01.1	L	11 12 „
20	17.366	19.58	84.0	30.90	83.2	.0497	.7733	19.01.0	L	Noon.
21	17.641	19.59	84.7	30.86	83.5	.0499	.7728	19.00.8	D	1 12 p. m.
22	18.052	19.51	83.8	30.79	8.31	.0486	.7720	19.00.6	D	2 12 „
23	18.052	19.53	84.2	30.80	8.42	.0489	.7725	19.00.8	D	3 12 „
Aug. 6th—Noon	18.601	19.35	83.5	30.81	83.8	.0461	.7723	19.01.1	D	4 12 „
1	18.670	19.01	82.0	30.89	83.0	.0404	.7731	19.02.2	N	5 12 „
2	18.875	18.64	82.2	30.80	82.7	.0344	.7722	19.02.6	N	6 12 „
3	18.944	18.62	81.8	30.82	82.2	.0342	.7724	19.02.7	N	7 12 „
4	18.944	18.68	81.3	30.81	81.9	.0350	.7723	19.02.5	N	8 12 „
5	18.738	18.69	81.3	30.84	82.0	.0352	.7726	19.02.6	L	9 12 „
6	18.875	18.68	81.0	30.83	81.8	.0350	.7725	19.02.6	L	10 12 „
7	19.013	18.72	80.9	30.82	81.3	.0358	.7724	19.02.4	L	11 12 „
8	18.944	18.78	81.0	30.84	81.4	.0366	.7726	19.02.4	L	Midnight.
9	19.013	18.97	81.1	30.79	81.3	.0399	.7720	19.01.8	D	1 12 a. m.
10	19.013	18.90	81.0	30.84	81.4	.0387	.7726	19.02.1	D	2 12 „
11	19.287	18.82	81.1	30.84	81.4	.0375	.7726	19.02.3	D	3 12 „
12	19.356	18.80	81.0	30.85	81.5	.0371	.7727	19.02.5	D	4 12 „
13	19.492	18.80	81.0	30.85	81.5	.0371	.7727	19.02.5	N	5 12 „
14	20.453	18.87	81.0	30.90	81.5	.0383	.7733	19.02.6	N	6 12 „
15	21.071	18.91	81.0	30.90	81.5	.0388	.7733	19.02.4	N	7 12 „
16	20.659	19.06	81.6	30.90	81.7	.0413	.7733	19.02.2	N	8 12 „
17	19.287	19.25	82.1	30.86	81.9	.0434	.7728	19.01.7	L	9 12 „
18	18.052	19.45	82.2	30.86	82.0	.0477	.7728	19.01.1	L	10 12 „
19	16.886	19.77	83.3	30.89	82.9	.0530	.7731	19.00.5	L	11 12 „
20	17.092	19.94	84.0	30.89	83.6	.0557	.7731	19.00.1	L	Noon.
21	17.709	19.71	83.8	30.81	83.8	.0519	.7723	19.00.3	D	1 12 p. m.
22	18.601	19.75	84.0	30.82	84.1	.0526	.7724	19.00.2	D	2 12 „
23	19.287	19.63	84.4	30.84	84.7	.0506	.7726	19.00.6	D	3 12 „

On the 4th, at about 19h., Dip as obtained by Observation was 19°03'4.
On the 5th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 7TH TO 10TH AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 7th—Noon	19·699	19.33	84°4	30.85	85°1	8.0457	2.7727	19°01'3	D	4 12 p. m.
1	19.218	18.96	84.0	30.83	84.2	.0397	.7725	19.02.0	N	5 12 „
2	18.601	19.13	83.2	30.78	84.0	.0424	.7719	19.01.4	N	6 12 „
3	18.121	18.96	82.8	30.80	83.2	.0397	.7722	19.01.8	N	7 12 „
4	18.258	18.85	82.3	30.79	82.9	.0379	.7720	19.02.1	N	8 12 „
5	18.464	18.83	82.2	30.76	82.7	.0375	.7717	19.02.0	L	9 12 „
6	18.944	18.69	82.0	30.77	82.4	.0352	.7718	19.02.3	L	10 12 „
7	18.944	18.88	81.9	30.79	82.2	.0383	.7720	19.02.1	L	11 12 „
8	19.013	18.84	81.7	30.76	82.1	.0377	.7717	19.02.0	L	Midnight.
9	19.287	18.71	81.8	30.71	82.0	.0365	.7712	19.01.8	D	1 12 a. m.
10	19.356	18.91	81.8	30.76	81.9	.0388	.7717	19.01.8	D	2 12 „
11	19.699	18.84	81.7	30.75	81.8	.0377	.7716	19.01.9	D	3 12 „
12	19.424	18.72	81.1	30.75	81.5	.0358	.7716	19.02.1	D	4 12 „
13	20.110	18.75	81.0	30.80	81.6	.0360	.7722	19.02.3	S	5 12 „
14	21.482	18.90	81.0	30.83	81.5	.0387	.7725	19.02.1	S	6 12 „
15	21.415	18.81	81.0	30.82	81.4	.0372	.7724	19.02.3	S	7 12 „
16	20.453	18.92	81.2	30.82	81.4	.0391	.7724	19.02.0	S	8 12 „
17	19.493	19.14	81.0	30.81	81.0	.0426	.7723	19.01.5	L	9 12 „
18	18.464	19.40	82.0	30.85	81.6	.0469	.7727	19.01.2	L	10 12 „
19	17.915	19.57	83.1	30.88	82.5	.0497	.7730	19.00.9	L	11 12 „
20	17.298	19.78	84.1	30.86	83.3	.0530	.7728	19.00.4	L	Noon.
21	17.641	19.68	84.7	30.89	84.7	.0506	.7731	19.00.8	D	1 12 p. m.
22	18.327	19.57	84.6	30.85	84.9	.0497	.7727	19.00.8	D	2 12 „
23	18.807	19.33	83.8	30.78	84.2	.0457	.7719	19.00.9	D	3 12 „
Aug. 8th—Noon	19.287	19.15	83.2	30.72	83.9	.0428	.7713	19.01.1	D	4 12 „
1	19.013	18.94	82.1	30.79	82.9	.0393	.7720	19.01.9	S	5 12 „
2	18.532	18.98	82.2	30.78	82.6	.0399	.7719	19.01.7	S	6 12 „
3	18.327	18.89	82.1	30.79	82.4	.0385	.7720	19.01.9	S	7 12 „
4	18.464	18.86	82.2	30.79	82.4	.0381	.7720	19.02.1	S	8 12 „
5	18.327	18.77	81.6	30.81	82.2	.0366	.7723	19.02.3	L	9 12 „
6	18.601	18.71	81.6	30.82	82.2	.0355	.7724	19.02.4	L	10 12 „
7	18.601	18.71	81.4	30.81	82.0	.0355	.7723	19.02.4	L	11 12 „
8	18.670	18.87	81.3	30.82	82.0	.0383	.7724	19.02.2	L	Midnight.
9	19.013	18.87	81.1	30.80	81.8	.0383	.7722	19.02.1	D	1 12 a. m.
10	19.424	18.90	81.0	30.80	81.7	.0387	.7722	19.01.9	D	2 12 „
11	19.287	18.85	81.0	30.85	81.6	.0379	.7727	19.02.4	D	3 12 „
12	19.356	18.95	81.0	30.84	81.3	.0395	.7726	19.02.0	D	4 12 „
13	19.767	19.10	81.0	30.81	81.2	.0420	.7723	19.01.6	S	5 12 „
14	20.556	19.08	80.9	30.84	81.2	.0415	.7726	19.01.7	S	6 12 „
15	20.865	18.96	80.9	30.85	81.0	.0397	.7727	19.02.1	S	7 12 „
16	20.796	19.30	81.5	30.86	81.2	.0453	.7728	19.01.4	S	8 12 „
17	19.973	19.45	81.4	30.84	81.2	.0477	.7726	19.01.0	L	9 12 „
18	19.218	19.59	81.3	30.85	81.0	.0499	.7727	19.00.8	L	10 12 „
19	18.532	20.04	82.9	30.88	82.0	.0573	.7730	19.00.0	L	11 12 „
20	17.778	20.09	83.9	30.87	83.1	.0581	.7729	18.59.8	L	Noon.
21	17.641	20.03	84.1	30.82	83.9	.0571	.7724	18.59.7	D	1 12 p. m.
22	18.121	19.87	84.6	30.79	84.5	.0546	.7720	18.59.8	D	2 12 „
23	19.013	19.59	84.2	30.85	85.1	.0499	.7727	19.00.8	D	3 12 „
Aug. 10th—Noon	19.836	19.39	84.6	30.80	85.0	.0467	.7722	19.00.9	S	4 12 „
1	19.287	19.10	84.1	30.75	84.9	.0420	.7716	19.01.3	S	5 12 „
2	18.944	19.00	83.6	30.73	84.2	.0403	.7714	19.01.5	S	6 12 „
3	18.738	18.92	83.1	30.71	83.6	.0391	.7712	19.01.5	S	7 12 „
4	18.670	18.87	83.0	30.73	83.5	.0383	.7714	19.01.8	S	8 12 „
5	18.807	18.88	82.7	30.75	83.2	.0383	.7716	19.01.9	L	9 12 „
6	18.944	18.97	82.7	30.74	83.0	.0399	.7715	19.01.6	L	10 12 „
7	19.013	19.00	82.5	30.77	82.8	.0403	.7718	19.01.7	L	11 12 „
8	19.150	18.97	82.1	30.78	82.7	.0399	.7719	18.01.7	L	Midnight.
9	19.218	18.95	82.0	30.73	82.5	.0395	.7714	19.01.5	D	1 12 a. m.
10	19.493	18.96	81.8	30.78	82.3	.0397	.7719	19.01.7	D	2 12 „
11	19.356	19.01	81.8	30.77	82.2	.0404	.7718	19.01.7	D	3 12 „

On the 7th, at about 18h., Dip as obtained by Observation was 18°56'9.
On the 8th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 10TH TO 12TH AUGUST 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
AUG. 10TH—12	.19356	19.05	81°5	30.87	81°5	8.0411	2.7729	19°02'0	D	4 12 a. m.
13	19.493	19.07	81.5	30.80	81.6	.0415	.7722	19.01.7	S	5 12 „
14	20.247	19.02	81.4	30.81	81.6	.0407	.7723	19.01.8	S	6 12 „
15	21.139	19.01	81.4	30.85	81.8	.0404	.7727	19.02.0	S	7 12 „
16	20.728	19.38	81.9	30.90	82.6	.0465	.7733	19.01.4	S	8 12 „
17	18.738	19.87	82.8	30.83	83.1	.0546	.7725	19.00.0	L	9 12 „
18	15.925	20.11	83.5	30.83	83.1	.0585	.7725	18.59.5	L	10 12 „
19	15.445	20.13	83.6	30.83	83.0	.0588	.7725	18.59.5	L	11 12 „
20	15.377	20.07	83.5	30.82	83.2	.0579	.7724	18.59.6	L	Noon.
21	15.583	20.10	84.0	30.82	84.0	.0584	.7724	18.59.6	D	1 12 p. m.
22	16.955	19.80	85.0	30.84	84.5	.0534	.7726	19.00.3	D	2 12 „
23	18.601	19.59	84.9	30.79	84.8	.0499	.7720	19.00.5	D	3 12 „
AUG. 11TH—Noon	19.424	19.58	84.9	30.80	85.0	.0497	.7722	19.00.5	D	4 12 „
1	20.110	18.94	84.3	30.75	84.9	.0393	.7716	19.01.9	S	5 12 „
2	19.218	18.60	83.5	30.75	84.2	.0338	.7716	19.01.4	S	6 12 „
3	19.287	18.38	83.0	30.72	83.3	.0301	.7713	19.01.8	S	7 12 „
4	18.875	18.43	82.9	30.71	83.0	.0309	.7712	19.01.6	S	8 12 „
5	19.218	18.46	82.6	30.76	82.8	.0315	.7717	19.01.7	L	9 12 „
6	18.807	18.70	82.5	30.78	82.8	.0354	.7719	19.02.3	L	10 12 „
7	19.424	18.43	82.0	30.79	82.3	.0311	.7720	19.02.0	L	11 12 „
8	19.767	18.62	81.9	30.80	82.1	.0342	.7722	19.02.6	L	Midnight.
9	19.904	18.56	81.8	30.77	82.3	.0331	.7718	19.02.6	D	1 12 a. m.
10	19.630	18.84	81.7	30.82	82.2	.0377	.7724	19.02.2	D	2 12 „
11	19.561	18.89	81.2	30.86	82.0	.0385	.7728	19.02.2	D	3 12 „
12	19.699	18.82	81.1	30.85	81.7	.0375	.7727	19.02.4	D	4 12 „
13	20.385	18.98	80.9	30.86	81.2	.0399	.7728	19.02.1	S	5 12 „
14	21.415	18.76	80.2	30.85	81.0	.0364	.7727	19.02.6	S	6 12 „
15	21.758	18.88	80.4	30.85	81.0	.0383	.7727	19.02.4	S	7 12 „
16	21.002	18.97	81.0	30.86	81.2	.0399	.7728	19.02.1	S	8 12 „
17	19.836	19.21	82.3	30.89	82.0	.0427	.7731	19.01.8	L	9 12 „
18	17.435	19.30	83.0	30.85	82.4	.0453	.7727	19.01.4	L	10 12 „
19	15.788	19.47	83.8	30.89	83.1	.0481	.7731	19.01.2	L	11 12 „
20	15.514	19.55	84.4	30.86	83.7	.0493	.7728	19.00.9	L	Noon.
21	15.788	19.56	85.0	30.88	84.2	.0495	.7730	19.00.9	D	1 12 p. m.
22	17.298	19.47	85.1	30.84	84.7	.0481	.7726	19.01.0	D	2 12 „
23	18.327	19.13	85.1	30.85	85.1	.0424	.7727	19.01.8	D	3 12 „
AUG. 12TH—Noon	19.287	19.05	85.0	30.86	85.2	.0411	.7728	19.02.0	D	4 12 „
1	19.356	19.02	84.4	30.83	84.9	.0407	.7725	19.01.9	S	5 12 „
2	19.150	18.96	83.8	30.81	84.3	.0397	.7723	19.01.9	S	6 12 „
3	19.013	18.85	83.5	30.77	84.0	.0379	.7718	19.02.0	S	7 12 „
4	18.532	18.70	83.0	30.76	83.5	.0354	.7717	19.02.3	S	8 12 „
5	18.532	18.75	82.9	30.77	83.1	.0362	.7718	19.02.2	L	9 12 „
6	18.670	18.65	82.3	30.79	82.9	.0346	.7720	19.02.4	L	10 12 „
7	19.013	18.64	81.6	30.79	82.4	.0344	.7720	19.02.6	L	11 12 „
8	18.944	18.69	81.4	30.62	82.3	.0352	.7724	19.02.5	L	Midnight.
9	19.218	18.76	81.3	30.76	82.0	.0364	.7717	19.02.2	D	1 12 a. m.
10	19.356	18.82	81.1	30.76	82.0	.0375	.7717	19.02.0	D	2 12 „
11	19.356	18.95	81.0	30.75	81.8	.0395	.7716	19.01.6	D	3 12 „
12	19.699	19.02	81.1	30.75	81.5	.0407	.7716	19.01.5	D	4 12 „
13	19.699	19.07	81.1	30.86	82.0	.0415	.7728	19.01.8	S	5 12 „
14	21.002	19.17	81.1	30.88	81.9	.0432	.7730	19.01.8	S	6 12 „
15	21.071	19.20	81.4	30.89	81.8	.0426	.7731	19.01.8	S	7 12 „
16	20.110	19.38	82.0	30.92	82.2	.0465	.7735	19.01.5	S	8 12 „
17	19.150	19.82	83.2	30.88	82.8	.0538	.7730	19.00.4	L	9 12 „
18	17.709	19.90	84.0	30.89	83.0	.0551	.7731	19.00.2	L	10 12 „
19	16.474	19.86	83.8	30.89	83.1	.0544	.7731	19.00.4	L	11 12 „
20	15.926	19.80	84.0	30.91	83.8	.0534	.7734	19.00.6	L	Noon.
21	16.269	19.69	84.7	30.89	84.7	.0516	.7731	19.00.6	D	1 12 p. m.
22	17.092	19.50	84.8	30.86	85.4	.0485	.7728	19.00.9	D	2 12 „
23	18.258	19.43	85.1	30.89	86.3	.0473	.7731	19.01.3	D	3 12 „

On the 11th, at about 18h., Dip as obtained by Observation was 19°08'1.

DAILY OBSERVATIONS FROM 13TH TO 17TH AUGUST 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
AUG. 13TH-Noon	19°013	19.35	85°2	30.89	86°4	8.0461	2.7731	19°01'4	D	4 12 p. m.
1	18.807	19.28	85.1	30.80	86.0	.0438	.7722	19.01.3	S	5 12 „
2	18.532	19.23	84.9	30.79	85.6	.0432	.7721	19.01.4	S	6 12 „
3	18.327	19.12	84.1	30.75	85.1	.0424	.7716	19.01.3	S	7 12 „
4	18.327	19.08	84.0	30.77	85.0	.0415	.7718	19.01.4	S	8 12 „
5	18.601	19.05	83.6	30.78	84.5	.0411	.7719	19.01.6	L	9 12 „
6	18.807	18.96	83.4	30.75	84.2	.0397	.7716	19.01.6	L	10 12 „
7	18.944	19.00	83.0	30.74	84.0	.0403	.7715	19.01.6	L	11 12 „
8	19.081	19.13	82.9	30.76	83.8	.0424	.7717	19.01.4	L	Midnight.
9	19.287	19.06	82.8	30.81	83.5	.0413	.7723	19.01.8	D	1 12 a. m.
10	19.287	19.04	82.5	30.86	83.6	.0409	.7728	19.02.0	D	2 12 „
11	19.287	19.09	82.2	30.80	83.4	.0417	.7722	19.01.5	D	3 12 „
12	19.424	19.01	82.0	30.80	83.2	.0404	.7722	19.01.8	D	4 12 „
13	20.453	19.11	82.0	30.79	83.0	.0421	.7720	19.01.5	S	5 12 „
14	21.208	19.15	82.0	30.81	83.0	.0428	.7723	19.01.5	S	6 12 „
15	21.415	19.27	82.2	30.81	82.9	.0438	.7723	19.01.4	S	7 12 „
16	19.973	19.60	82.6	30.81	82.9	.0502	.7723	19.00.6	S	8 12 „
17	18.807	19.60	83.0	30.83	83.0	.0502	.7725	19.00.7	L	9 12 „
18	17.503	19.71	83.8	30.85	83.6	.0519	.7727	19.00.5	L	10 12 „
19	17.023	19.63	84.8	30.84	84.0	.0506	.7726	19.00.6	L	11 12 „
20	16.612	19.64	85.2	30.86	84.6	.0508	.7728	19.00.7	L	Noon.
21	16.817	19.55	85.3	30.86	85.4	.0493	.7728	19.00.9	D	1 12 p. m.
22	17.984	19.55	85.7	30.83	86.1	.0493	.7725	19.00.8	D	2 12 „
23	19.287	19.27	85.3	30.83	85.9	.0438	.7725	19.01.5	D	3 12 „
AUG. 15TH-Noon	19.424	19.09	83.8	30.93	84.3	.0417	.7736	19.02.1	S	4 12 „
1	19.287	19.04	83.3	30.93	84.3	.0409	.7736	19.02.3	S	5 12 „
2	18.670	18.95	83.0	30.91	84.0	.0395	.7734	19.02.3	S	6 12 „
3	18.601	18.88	82.9	30.95	83.8	.0383	.7738	19.02.8	S	7 12 „
4	18.464	18.87	82.6	30.93	83.1	.0383	.7736	19.02.7	S	8 12 „
5	18.601	18.86	82.3	30.94	83.0	.0381	.7737	19.02.8	L	9 12 „
6	18.875	18.95	82.3	30.94	83.0	.0395	.7737	19.02.5	L	10 12 „
7	19.218	18.98	82.3	30.95	83.0	.0399	.7738	19.02.5	L	11 12 „
8	19.561	18.99	82.2	30.94	83.0	.0401	.7737	19.02.5	L	Midnight.
9	19.424	18.78	81.9	30.89	82.8	.0366	.7731	19.02.6	D	1 12 a. m.
10	19.356	18.82	81.6	30.88	82.7	.0375	.7730	19.02.5	D	2 12 „
11	19.424	19.02	81.6	30.93	82.6	.0407	.7736	19.02.3	D	3 12 „
12	19.424	19.05	81.7	30.97	82.5	.0411	.7740	19.02.5	D	4 12 „
13	19.699	18.99	81.4	30.98	82.0	.0401	.7741	19.02.6	S	5 12 „
14	21.345	18.89	81.1	30.99	82.0	.0385	.7742	19.02.7	S	6 12 „
15	21.482	19.04	81.2	30.99	81.8	.0409	.7742	19.02.5	S	7 12 „
16	20.728	19.38	81.9	30.98	82.0	.0465	.7741	19.01.7	S	8 12 „
17	19.836	19.59	82.6	31.00	82.6	.0499	.7744	19.01.4	L	9 12 „
18	18.121	19.94	83.4	30.99	83.1	.0557	.7742	19.00.5	L	10 12 „
19	16.680	20.14	84.1	31.04	83.9	.0590	.7748	19.00.4	L	11 12 „
20	16.474	20.18	84.7	31.01	84.2	.0596	.7745	19.00.1	L	Noon.
21	15.514	19.99	85.2	31.01	85.3	.0565	.7745	19.00.6	D	1 12 p. m.
22	17.366	19.60	85.0	31.08	86.1	.0502	.7752	18.59.9	D	2 12 „
23	18.395	19.06	84.8	31.04	86.3	.0413	.7748	19.02.8	D	3 12 „
AUG. 17TH-Noon	19.150	19.28	84.1	31.55	85.0	.0438	.7804	19.04.5	S	4 12 „
1	19.081	19.13	83.9	31.54	84.5	.0424	.7803	19.04.7	S	5 12 „
2	18.337	19.11	83.8	31.52	84.5	.0421	.7801	19.04.6	S	6 12 „
3	18.532	18.97	83.1	31.51	84.3	.0399	.7800	19.04.9	S	7 12 „
4	18.670	18.97	83.0	31.50	83.9	.0399	.7799	19.04.8	S	8 12 „
5	19.081	18.94	82.8	31.49	83.6	.0393	.7797	19.04.9	L	9 12 „
6	19.287	18.82	82.0	31.47	83.0	.0375	.7795	19.05.0	L	10 12 „
7	19.767	18.88	81.9	31.46	82.7	.0383	.7794	19.04.9	L	11 12 „
8	19.218	18.96	81.9	31.48	82.7	.0397	.7796	19.04.7	L	Midnight.
9	19.356	18.95	82.0	31.43	82.8	.0395	.7791	19.04.5	D	1 12 a. m.
10	19.424	18.97	81.9	31.58	82.7	.0399	.7807	19.05.2	D	2 12 „
11	19.424	18.88	81.9	31.58	82.6	.0383	.7807	19.05.5	D	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 19TH AUGUST 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
AUG. 17TH—12	19·699	18.82	81°1	31.47	82°3	8.0375	2.7795	19°05′0	D	4 12 a. m.
13	19.767	18.90	81.0	31.50	81.5	.0387	.7799	19.04.9	S	5 12 „
14	21.415	18.98	81.0	31.54	81.2	.0399	.7803	19.05.0	S	6 12 „
15	21.963	18.87	80.6	31.49	81.2	.0383	.7797	19.05.1	S	7 12 „
16	20.385	19.13	80.0	31.47	80.8	.0424	.7795	19.04.4	S	8 12 „
17	18.258	19.56	81.2	31.52	81.4	.0495	.7801	19.03.6	L	9 12 „
18	16.131	19.78	82.7	31.55	82.2	.0530	.7804	19.03.3	L	10 12 „
19	15.445	19.89	83.4	31.59	82.9	.0548	.7808	19.03.2	L	11 12 „
20	15.445	19.91	84.3	31.61	83.7	.0552	.7822	19.03.7	L	Noon.
21	17.502	19.71	83.8	31.62	84.1	.0519	.7811	19.03.7	D	1 12 p. m.
22	17.672	19.38	83.9	31.59	84.5	.0465	.7808	19.04.3	D	2 12 „
23	18.121	19.49	84.7	31.65	85.0	.0473	.7815	19.05.9	D	3 12 „
AUG. 18TH—Noon	18.327	19.31	84.8	31.65	85.1	.0454	.7815	19.04.8	D	4 12 „
1	19.287	19.07	84.1	31.54	84.5	.0415	.7803	19.04.7	S	5 12 „
2	18.875	18.95	83.3	31.52	84.1	.0395	.7801	19.04.9	S	6 12 „
3	18.601	18.95	83.0	31.50	83.2	.0395	.7799	19.04.8	S	7 12 „
4	18.601	18.95	82.9	31.54	83.0	.0395	.7803	19.05.0	S	8 12 „
5	18.738	18.90	81.9	31.52	82.7	.0387	.7801	19.05.0	L	9 12 „
6	18.807	18.94	81.9	31.54	82.8	.0393	.7803	19.05.1	L	10 12 „
7	19.013	19.00	81.9	31.56	82.5	.0403	.7805	19.05.1	L	11 12 „
8	19.013	19.00	81.6	31.57	82.2	.0403	.7806	19.05.1	L	Midnight.
9	19.013	19.03	81.4	31.56	82.1	.0407	.7805	19.05.0	D	1 12 a. m.
10	19.356	18.96	81.3	31.56	82.0	.0397	.7805	19.05.1	D	2 12 „
11	19.424	19.04	81.2	31.56	81.9	.0409	.7805	19.05.0	D	3 12 „
12	19.904	19.02	81.1	31.56	82.1	.0407	.7805	19.05.0	D	4 12 „
13	20.453	19.05	81.0	31.58	82.0	.0411	.7807	19.05.1	S	5 12 „
14	22.032	19.13	81.0	31.61	82.0	.0424	.7811	19.05.0	S	6 12 „
15	22.168	19.27	81.1	31.61	82.0	.0438	.7811	19.04.8	S	7 12 „
16	21.482	19.72	81.1	31.58	81.9	.0522	.7807	19.03.6	S	8 12 „
17	19.836	20.12	81.9	31.61	82.0	.0588	.7811	19.02.8	L	9 12 „
18	17.435	20.29	82.7	31.61	82.4	.0614	.7811	19.02.6	L	10 12 „
19	16.337	20.20	82.7	31.62	82.7	.0600	.7812	19.02.7	L	11 12 „
20	15.720	20.32	83.9	31.65	83.3	.0620	.7815	19.02.6	L	Noon.
21	15.994	20.25	84.7	31.62	84.1	.0608	.7812	19 02.6	D	1 12 p. m.
22	17.641	19.99	84.7	31.64	84.6	.0565	.7814	19.03.2	D	2 12 „
23	18.601	19.67	84.8	31.60	85.0	.0514	.7810	19.03.9	D	3 12 „
AUG. 19TH—Noon	19.699	19.31	84.0	31.60	84.9	.0454	.7810	19.04.6	D	4 12 „
1	20.042	19.12	83.8	31.64	84.5	.0424	.7814	19.05.1	S	5 12 „
2	19.356	19.00	83.1	31.57	84.0	.0403	.7807	19.05.2	S	6 12 „
3	18.395	18.96	83.0	31.56	83.5	.0397	.7805	19.05.1	S	7 12 „
4	18.258	19.04	82.9	31.54	83.0	.0409	.7803	19.04.9	S	8 12 „
5	18.738	18.90	82.3	31.57	83.0	.0387	.7806	19.05.2	L	9 12 „
6	18.670	18.97	82.0	31.56	82.8	.0399	.7805	19.05.1	L	10 12 „
7	18.944	18.98	81.8	31.55	82.4	.0399	.7804	19.05.0	L	11 12 „
8	19.218	19.06	81.7	31.57	82.4	.0413	.7806	19.05.0	L	Midnight.
9	19.287	19.16	81.8	31.52	82.3	.0430	.7801	19.04.5	D	1 12 a. m.
10	19.356	19.11	81.8	31.57	82.2	.0421	.7806	19.04.8	D	2 12 „
11	19.356	18.97	81.6	31.56	82.1	.0399	.7805	19.05.1	D	3 12 „
12	19.767	18.87	80.9	31.65	81.8	.0383	.7815	19.05.8	D	4 12 „
13	19.767	18.90	80.6	31.59	81.2	.0387	.7808	19.05.3	S	5 12 „
14	20.659	18.86	80.4	31.60	81.2	.0381	.7810	19.05.6	S	6 12 „
15	21.415	19.10	80.0	31.63	81.1	.0420	.7813	19.05.1	S	7 12 „
16	20.453	19.18	80.4	31.65	81.0	.0432	.7815	19.05.1	S	8 12 „
17	19.630	19.31	80.1	31.65	81.0	.0454	.7815	19.04.8	L	9 12 „
18	17.846	19.73	81.4	31.65	81.5	.0522	.7815	19.03.9	L	10 12 „
19	16.680	19.79	82.0	31.66	82.0	.0532	.7816	19.03.8	L	11 12 „
20	16.474	19.73	82.3	31.67	82.4	.0522	.7817	19.04.0	L	Noon.
21	16.955	19.60	82.8	31.68	82.8	.0502	.7818	19.04.3	D	1 12 p. m.
22	18.052	19.39	83.0	31.70	83.2	.0457	.7821	19.04.9	D	2 12 „
23	18.601	19.20	83.2	31.66	83.8	.0426	.7816	19.05.1	D	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 18°58′4.

DAILY OBSERVATIONS FROM 20TH TO 22ND AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 20th-Noon	19'287	19.01	82°8	31.61	83°7	8.0404	2.7811	19°05'3	D	4 12 p. m.
1	19.356	19.01	83.0	31.65	83.3	.0404	.7815	19.05.5	S	5 12 ,,
2	18.670	19.13	82.9	31.66	83.2	.0424	.7816	19.05.2	S	6 12 ,,
3	18.601	19.03	82.4	31.64	83.1	.0407	.7814	19.05.3	S	7 12 ,,
4	18.601	18.91	82.2	31.65	83.0	.0388	.7815	19.05.6	S	8 12 ,,
5	18.670	18.89	82.0	31.64	82.7	.0383	.7814	19.05.7	L	9 12 ,,
6	18.738	18.75	81.0	31.62	82.2	.0362	.7812	19.05.8	L	10 12 ,,
7	18.807	18.91	81.0	31.61	81.9	.0388	.7811	19.05.4	L	11 12 ,,
8	19.013	18.91	80.9	31.61	81.6	.0388	.7811	19.05.4	L	Midnight.
9	19.081	19.00	81.0	31.54	81.4	.0403	.7803	19.05.0	D	1 12 a. m.
10	19.356	19.05	81.0	31.54	81.3	.0411	.7803	19.04.9	D	2 12 ,,
11	19.424	18.98	80.9	31.52	81.1	.0399	.7802	19.04.9	D	3 12 ,,
12	19.493	19.07	81.1	31.63	81.1	.0415	.7813	19.05.1	D	4 12 ,,
13	19.699	19.10	81.0	31.64	81.4	.0420	.7814	19.05.1	S	5 12 ,,
14	20.659	19.15	80.6	31.66	81.3	.0428	.7816	19.05.1	S	6 12 ,,
15	21.208	19.20	80.5	31.68	81.1	.0426	.7818	19.05.2	S	7 12 ,,
16	21.071	19.38	81.3	31.67	81.1	.0465	.7817	19.04.7	S	8 12 ,,
17	20.385	19.66	82.0	31.68	82.0	.0512	.7818	19.04.2	L	9 12 ,,
18	19.081	20.00	83.4	31.68	82.8	.0567	.7818	19.03.4	L	10 12 ,,
19	18.052	20.06	84.0	31.67	83.1	.0577	.7817	19.03.3	L	11 12 ,,
20	16.474	19.94	84.1	31.69	83.8	.0557	.7819	19.03.5	L	Noon.
21	16.955	19.86	84.3	31.63	84.2	.0544	.7813	19.03.6	D	1 12 p. m.
22	16.955	19.23	84.4	31.64	84.7	.0522	.7814	19.03.8	D	2 12 ,,
23	17.298	19.58	84.7	31.61	85.4	.0497	.7811	19.04.0	D	3 12 ,,
Aug. 21st-Noon	18.052	19.43	84.9	31.57	85.8	.0465	.7806	19.04.2	D	4 12 ,,
1	18.327	19.21	84.2	31.61	85.2	.0427	.7811	19.04.9	S	5 12 ,,
2	18.670	19.03	83.6	31.60	84.9	.0407	.7810	19.05.2	S	6 12 ,,
3	18.944	18.80	82.9	31.57	83.7	.0371	.7806	19.05.5	S	7 12 ,,
4	19.150	18.79	82.2	31.55	83.2	.0368	.7804	19.05.4	S	8 12 ,,
5	18.807	18.77	82.5	31.59	83.0	.0368	.7808	19.05.6	L	9 12 ,,
6	18.944	18.67	82.4	31.59	83.0	.0350	.7808	19.05.8	L	10 12 ,,
7	19.081	18.76	82.3	31.59	83.0	.0364	.7808	19.05.7	L	11 12 ,,
8	19.424	18.77	81.8	31.59	82.2	.0368	.7808	19.05.6	L	Midnight.
9	19.356	18.84	81.7	31.56	82.1	.0377	.7805	19.05.4	D	1 12 a. m.
10	19.493	18.88	81.5	31.56	81.9	.0383	.7805	19.05.4	D	2 12 ,,
11	19.767	18.74	81.2	31.55	81.5	.0360	.7804	19.05.5	D	3 12 ,,
12	19.973	18.68	80.9	31.54	81.3	.0350	.7803	19.05.6	D	4 12 ,,
13	19.699	18.96	81.0	31.64	81.3	.0397	.7814	19.05.4	S	5 12 ,,
14	20.385	18.98	81.0	31.60	81.5	.0399	.7810	19.05.3	S	6 12 ,,
15	20.659	19.09	81.2	31.66	81.4	.0417	.7816	19.05.2	S	7 12 ,,
16	19.767	19.43	81.9	31.66	82.0	.0465	.7816	19.04.6	S	8 12 ,,
17	18.670	19.84	83.3	31.67	83.0	.0540	.7817	19.03.8	L	9 12 ,,
18	16.955	19.84	83.2	31.65	83.0	.0540	.7815	19.03.7	L	10 12 ,,
19	16.269	20.06	84.1	31.67	83.5	.0577	.7817	19.03.3	L	11 12 ,,
20	15.720	20.02	84.7	31.67	84.0	.0571	.7817	19.03.4	L	Noon.
21	15.994	19.69	83.7	31.61	83.6	.0516	.7811	19.03.7	D	1 12 p. m.
22	17.229	19.65	84.3	31.63	84.2	.0510	.7814	19.04.0	D	2 12 ,,
23	18.052	19.57	84.3	31.64	84.8	.0497	.7814	19.04.1	D	3 12 ,,
Aug. 22nd-Noon	18.738	19.29	83.2	31.64	84.6	.0440	.7814	19.04.9	D	4 12 ,,
1	19.013	19.20	83.0	31.62	84.0	.0426	.7812	19.04.9	S	5 12 ,,
2	18.875	19.17	82.6	31.55	83.2	.0422	.7804	19.04.7	S	6 12 ,,
3	18.875	19.05	82.5	31.59	83.0	.0411	.7808	19.05.1	S	7 12 ,,
4	18.670	19.08	82.4	31.56	82.8	.0415	.7805	19.04.8	S	8 12 ,,
5	19.081	18.90	81.9	31.60	82.6	.0387	.7810	19.05.4	L	9 12 ,,
6	19.150	18.69	81.9	31.60	82.6	.0352	.7810	19.05.9	L	10 12 ,,
7	19.081	18.90	81.9	31.59	82.4	.0387	.7808	19.05.3	L	11 12 ,,
8	20.110	18.69	81.7	31.60	82.1	.0342	.7810	19.06.1	L	Midnight.
9	19.836	18.59	81.7	31.57	82.3	.0335	.7806	19.05.9	D	1 12 a. m.
10	19.630	18.65	81.5	31.65	82.2	.0346	.7815	19.06.1	D	2 12 ,,
11	19.973	18.74	81.7	31.64	82.1	.0360	.7814	19.05.9	D	3 12 ,,

On the 21st, at about 19h., Dip as obtained by Observation was 18°56'6.

DAILY OBSERVATIONS FROM 22ND TO 25TH AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 22nd—12	20·110	18.57	81°6	31.65	82°2	8.0323	2.7815	19°06′5	D	4 12 a. m.
13	20.110	18.55	81.5	31.64	82.1	.0329	.7814	19.36.3	S	5 12 „
14	20.042	18.53	81.4	31.64	82.0	.0325	.7814	19.06.3	S	6 12 „
15	20.659	18.49	81.7	31.61	82.0	.0319	.7811	19.06.3	S	7 12 „
16	20.110	18.55	82.2	31.62	82.2	.0329	.7812	19.06.2	S	8 12 „
17	18.189	18.61	83.0	31.59	82.9	.0339	.7808	19.06.0	L	9 12 „
18	16.749	18.62	84.0	31.62	83.2	.0342	.7812	19.06.1	L	10 12 „
19	16.543	18.22	84.3	31.56	83.7	.0276	.7805	19.06.7	L	11 12 „
20	16.036	18.45	85.1	31.58	84.4	.0313	.7807	19.06.4	L	Noon.
21	16.337	18.87	85.1	31.55	85.1	.0383	.7804	19.05.3	D	1 12 p. m.
22	17.435	18.77	84.8	31.56	85.3	.0366	.7805	19.05.5	D	2 12 „
23	18.327	18.93	84.7	31.51	85.3	.0391	.7800	19.05.0	D	3 12 „
Aug. 24th—Noon	20.247	18.82	84.1	31.62	84.2	.0375	.7812	19.05.6	S	4 12 „
1	20.590	18.55	83.5	31.57	84.1	.0329	.7806	19.06.0	S	5 12 „
2	19.699	18.47	83.1	31.56	83.8	.0317	.7805	19.06.1	S	6 12 „
3	19.013	18.39	82.9	31.56	83.6	.0303	.7805	19.06.4	S	7 12 „
4	18.738	18.27	82.6	31.54	83.0	.0284	.7803	19.06.6	S	8 12 „
5	18.464	18.34	81.9	31.57	83.0	.0295	.7806	19.06.4	L	9 12 „
6	18.738	18.30	82.0	31.57	83.0	.0289	.7806	19.06.5	L	10 12 „
7	18.532	18.34	82.0	31.56	82.8	.0295	.7805	19.06.4	L	11 12 „
8	18.807	18.45	81.8	31.58	82.6	.0313	.7809	19.06.4	L	Midnight.
9	18.670	18.61	81.8	31.53	82.7	.0339	.7802	19.05.7	D	1 12 a. m.
10	18.601	18.47	81.6	31.58	82.6	.0317	.7807	19.06.2	D	2 12 „
11	19.013	18.37	81.1	31.62	82.3	.0301	.7812	19.06.6	D	3 12 „
12	19.013	18.45	81.0	31.57	82.2	.0313	.7806	19.06.3	D	4 12 „
13	18.601	18.55	81.0	31.56	82.1	.0329	.7805	19.06.0	S	5 12 „
14	20.796	18.57	80.8	31.61	82.0	.0333	.7811	19.06.2	S	6 12 „
15	20.659	18.49	81.2	31.61	82.0	.0319	.7811	19.06.3	S	7 12 „
16	20.796	18.47	81.6	31.56	82.0	.0317	.7805	19.06.1	S	8 12 „
17	19.356	18.78	83.1	31.59	82.9	.0366	.7808	19.05.6	L	9 12 „
18	18.258	18.70	84.0	31.62	83.4	.0354	.7812	18.05.9	L	10 12 „
19	17.503	18.67	84.9	31.62	84.1	.0350	.7812	19.05.9	L	11 12 „
20	17.160	18.25	83.9	31.60	84.0	.0280	.7810	19.06.9	L	Noon.
21	17.298	18.29	83.8	31.56	83.6	.0290	.7805	19.06.5	D	1 12 p. m.
22	17.641	18.30	84.1	31.57	83.9	.0289	.7806	19.06.5	D	2 12 „
23	19.493	18.68	84.6	31.65	85.0	.0350	.7815	19.06.1	D	3 12 „
Aug. 25th—Noon	20.385	18.69	84.4	31.61	85.4	.0352	.7811	19.05.9	D	4 12 „
1	20.179	18.66	83.7	31.55	85.1	.0348	.7804	19.05.6	C	5 12 „
2	19.561	18.61	83.1	31.54	84.5	.0339	.7803	19.05.8	C	6 12 „
3	19.150	18.44	82.5	31.52	83.9	.0311	.7801	19.06.1	C	7 12 „
4	19.013	18.43	82.2	31.52	83.5	.0309	.7801	19.06.1	C	8 12 „
5	19.081	18.44	82.2	31.49	83.1	.0311	.7797	19.06.0	L	9 12 „
6	19.218	18.45	82.0	31.49	83.0	.0313	.7797	19.06.0	L	10 12 „
7	19.218	18.50	82.0	31.52	83.0	.0321	.7801	19.05.9	L	11 12 „
8	19.081	18.62	82.0	31.52	83.0	.0342	.7801	19.05.7	L	Midnight.
9	19.287	18.63	81.9	31.50	82.8	.0342	.7799	19.05.6	D	1 12 a. m.
10	19.356	18.66	81.8	31.48	82.6	.0348	.7796	19.05.3	D	2 12 „
11	19.424	18.60	81.3	31.47	82.3	.0338	.7795	19.05.5	D	3 12 „
12	19.493	18.57	81.1	31.48	82.5	.0333	.7796	19.05.6	D	4 12 „
13	20.249	18.45	81.1	31.57	82.4	.0313	.7806	19.06.3	C	5 12 „
14	21.208	18.56	81.0	31.55	82.3	.0331	.7804	19.05.9	C	6 12 „
15	21.895	18.65	81.2	31.57	83.0	.0346	.7806	19.05.7	C	7 12 „
16	21.208	18.77	81.9	31.52	83.0	.0366	.7801	19.05.3	C	8 12 „
17	19.356	19.07	82.2	31.45	82.4	.0415	.7793	19.04.3	L	9 12 „
18	17.503	19.47	83.4	31.42	83.2	.0481	.7790	19.03.5	L	10 12 „
19	16.337	19.75	84.5	31.40	84.0	.0526	.7788	19.02.7	L	11 12 „
20	16.337	19.59	84.1	31.40	83.9	.0499	.7788	19.03.1	L	Noon.
21	16.680	19.55	84.7	31.44	84.7	.0493	.7792	19.03.3	D	1 12 p. m.
22	17.641	19.29	85.0	31.41	85.3	.0440	.7789	19.03.9	D	2 12 „
23	19.013	19.17	85.1	31.37	85.7	.0432	.7784	19.03.8	D	3 12 „

On the 22nd, at about 19h., Deflection Observations were taken.
On the 25th, at about 19h., Dip as obtained by Observation was 18°58′4.

DAILY OBSERVATIONS FROM 26TH TO 28TH AUGUST 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
AUG. 26TH-Noon	19'699	18.95	85°0	31.37	85°7	8.0395	2.7784	19°04'2	D	4 12 p. m.
1	20.247	18.89	84.8	31.39	85.6	.0385	.7786	19.04.4	C	5 12 „
2	19.561	18.83	83.9	31.35	85.1	.0375	.7782	19.04.4	C	6 12 „
3	18.807	18.82	83.5	31.34	84.6	.0375	.7781	19.04.4	C	7 12 „
4	18.738	18.76	83.3	31.35	84.4	.0364	.7782	19.04.6	C	8 12 „
5	18.944	18.80	83.0	31.34	84.0	.0371	.7781	19.04.5	L	9 12 „
6	18.944	18.79	82.9	31.35	84.0	.0368	.7782	19.04.5	L	10 12 „
7	19.081	18.80	82.4	31.36	83.5	.0371	.7783	19.04.6	L	11 12 „
8	19.013	18.73	82.1	31.37	83.3	.0358	.7784	19.04.7	L	Midnight.
9	19.287	18.75	82.0	31.34	83.1	.0360	.7781	19.04.6	D	1 12 a. m.
10	19.424	18.76	81.8	31.39	83.9	.0364	.7786	19.04.8	D	2 12 „
11	19.424	18.75	81.7	31.38	82.8	.0360	.7785	19.04.8	D	3 12 „
12	19.493	18.89	81.7	31.38	82.8	.0385	.7785	19.04.4	D	4 12 „
13	19.904	18.93	81.6	31.38	82.8	.0391	.7785	19.04.4	C	5 12 „
14	20.933	18.90	81.5	31.41	82.7	.0387	.7789	19.04.5	C	6 12 „
15	21.276	18.83	81.4	31.38	82.3	.0375	.7785	19.04.6	C	7 12 „
16	20.933	19.16	82.1	31.43	82.6	.0430	.7791	19.04.1	C	8 12 „
17	19.699	19.50	83.0	31.42	82.9	.0485	.7790	19.03.3	L	9 12 „
18	18.670	19.66	83.6	31.41	83.0	.0512	.7789	19.03.0	L	10 12 „
19	17.435	19.74	84.6	31.43	83.6	.0524	.7791	19.02.9	L	11 12 „
20	16.749	19.72	85.0	31.44	84.0	.0522	.7792	19.02.9	L	Noon.
21	16.680	19.72	85.8	31.44	84.7	.0522	.7792	19.02.9	D	1 12 p. m.
22	17.641	19.60	86.0	31.47	85.6	.0502	.7795	19.03.4	D	2 12 „
23	18.944	19.55	86.3	31.44	86.3	.0493	.7792	19.03.3	D	3 12 „
AUG. 27TH-Noon	19.699	19.42	86.1	31.45	86.7	.0473	.7793	19.03.7	D	4 12 „
1	20.247	19.20	85.3	31.42	86.2	.0426	.7790	19.04.1	C	5 12 „
2	19.493	19.13	84.6	31.41	85.7	.0424	.7789	19.04.1	C	6 12 „
3	18.875	18.90	83.7	31.38	85.2	.0387	.7785	19.04.4	C	7 12 „
4	18.670	18.92	83.5	31.37	84.9	.0391	.7784	19.04.3	C	8 12 „
5	18.738	18.86	83.0	31.36	84.0	.0381	.7783	19.04.5	L	9 12 „
6	18.875	18.87	82.7	31.37	84.0	.0383	.7784	19.04.5	L	10 12 „
7	18.875	18.94	82.6	31.36	83.8	.0393	.7783	19.04.3	L	11 12 „
8	19.013	18.94	82.4	31.36	83.5	.0393	.7783	19.04.3	L	Midnight.
9	19.013	18.94	82.2	31.35	83.4	.0393	.7782	19.04.2	D	1 12 a. m.
10	19.287	19.02	82.1	31.35	83.2	.0407	.7782	19.04.0	D	2 12 „
11	19.287	19.00	82.0	31.39	83.0	.0403	.7786	19.04.3	D	3 12 „
12	19.630	18.95	82.0	31.39	82.9	.0395	.7786	19.04.2	D	4 12 „
13	20.110	19.06	81.9	31.42	82.9	.0413	.7790	19.04.4	C	5 12 „
14	21.139.	19.06	82.0	31.43	83.0	.0413	.7791	19.04.4	C	6 12 „
15	21.758	19.00	82.3	31.45	83.1	.0403	.7793	19.04.6	C	7 12 „
16	21.139	19.11	82.3	31.41	82.8	.0421	.7789	19.04.1	C	8 12 „
17	18.327	19.47	82.3	31.42	82.8	.0481	.7790	19.03.5	L	9 12 „
18	17.298	19.64	82.7	31.44	82.9	.0508	.7792	19.03.1	L	10 12 „
19	16.955	19.58	83.6	31.47	83.0	.0514	.7795	19.03.3	L	11 12 „
20	17.160	19.59	84.2	31.47	83.8	.0499	.7795	19.03.4	L	Noon.
21	17.572	19.49	83.9	31.40	83.3	.0483	.7788	19.03.4	D	1 12 p. m.
22	18.052	19.44	84.7	31.38	84.4	.0475	.7785	19.03.3	D	2 12 „
23	18.601	19.31	84.0	31.44	84.8	.0454	.7792	19.03.8	D	3 12 „
AUG. 28TH-Noon	19.150	19.28	83.9	31.44	84.9	.0438	.7792	19.04.0	D	4 12 „
1	19.699	19.12	83.0	31.50	83.9	.0424	.7799	19.04.5	C	5 12 „
2	18.738	19.02	82.7	31.51	83.5	.0407	.7800	19.04.0	C	6 12 „
3	18.601	18.92	82.6	31.50	83.3	.0391	.7799	19.04.9	C	7 12 „
4	18.464	18.94	82.8	31.50	83.3	.0393	.7799	19.04.9	C	8 12 „
5	18.532	18.97	82.4	31.49	83.0	.0399	.7797	19.04.8	L	9 12 „
6	18.738	18.81	82.0	31.51	83.0	.0372	.7800	19.05.3	L	10 12 „
7	18.738	18.80	81.2	31.49	82.4	.0371	.7797	19.05.2	L	11 12 „
8	18.670	18.93	81.2	31.49	82.2	.0391	.7797	19.04.9	L	Midnight.
9	19.013	18.99	81.2	31.47	82.2	.0401	.7795	19.04.7	D	1 12 a. m.
10	19.013	19.04	81.2	31.46	81.9	.0409	.7794	19.04.5	D	2 12 „
11	19.081	18.99	81.2	31.41	82.0	.0401	.7789	19.04.4	D	3 12 „

DAILY OBSERVATIONS FROM 28TH TO 30TH AUGUST 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed *Dip.*	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Aug. 28th—12	19'287	19.01	81°3	31.46	82°0	8.0404	2.7794	19°04'6	D	4 12 a. m.
13	19.630	18.91	81.2	31.55	82.3	.0388	.7804	19.05.1	C	5 12 „
14	20.933	18.90	81.2	31.57	82.3	.0387	.7806	19.05.2	C	6 12 „
15	21.551	18.94	81.0	31.58	81.9	.0393	.7807	19.05.3	C	7 12 „
16	20.728	19.06	81.2	31.55	81.8	.0413	.7804	19.04.9	C	8 12 „
17	18.464	19.33	81.7	31.56	81.9	.0457	.7805	19.04.3	L	9 12 „
18	17.298	19.51	82.1	31.54	82.0	.0486	.7803	19.03.8	L	10 12 „
19	16.474	19.68	82.9	31.58	82.6	.0514	.7807	19.03.8	L	11 12 „
20	16.474	19.68	83.4	31.59	83.0	.0514	.7808	19.03.8	L	Noon.
21	17.435	19.57	83.8	31.61	83.7	.0497	.7811	19.04.0	D	1 12 p. m.
22	18.258	19.47	84.1	31.64	84.8	.0481	.7814	19.04.4	D	2 12 „
23	18.670	19.40	84.3	31.64	85.2	.0470	.7811	19.04.4	D	3 12 „
Aug. 29th—Noon	19.218	19.19	84.0	31.61	85.2	.0434	.7811	19.04.9	D	4 12 „
1	19.013	19.10	83.6	31.54	84.1	.0420	.7803	19.04.7	C	5 12 „
2	18.395	19.08	83.0	31.54	84.0	.0415	.7803	19.04.7	C	6 12 „
3	18.327	18.94	82.7	31.56	83.9	.0393	.7805	19.05.2	C	7 12 „
4	18.327	18.94	82.5	31.55	83.6	.0393	.7804	19.05.1	C	8 12 „
5	18.464	18.97	82.6	31.54	83.3	.0399	.7803	19.05.0	L	9 12 „
6	18.532	19.00	82.3	31.53	83.0	.0403	.7802	19.04.9	L	10 12 „
7	18.807	19.00	82.1	31.53	83.0	.0403	.7802	19.04.9	L	11 12 „
8	19.013	19.01	82.1	31.53	82.9	.0404	.7802	19.04.9	L	Midnight.
9	19.287	18.99	82.0	31.54	83.1	.0401	.7803	19.05.0	D	1 12 a. m.
10	19.287	18.95	81.8	31.53	82.9	.0395	.7803	19.05.0	D	2 12 „
11	19.218	18.94	81.7	31.53	82.8	.0393	.7802	19.05.0	D	3 12 „
12	19.081	18.93	81.6	31.53	82.6	.0391	.7802	19.05.0	D	4 12 „
13	19.013	18.96	81.3	31.52	82.5	.0397	.7801	19.04.9	C	5 12 „
14	21.139	18.84	80.9	31.58	82.3	.0377	.7807	19.05.5	C	6 12 „
15	22.444	18.81	81.0	31.55	82.3	.0372	.7804	19.05.4	C	7 12 „
16	21.758	18.86	80.5	31.52	81.7	.0381	.7801	19.05.2	C	8 12 „
17	19.944	19.27	81.0	31.54	81.4	.0438	.7803	19.04.5	L	9 12 „
18	18.052	19.46	81.3	31.58	81.9	.0479	.7807	19.03.2	L	10 12 „
19	17.160	19.53	82.9	31.58	82.8	.0499	.7807	19.03.9	L	11 12 „
20	16.612	19.37	83.1	31.59	83.0	.0465	.7808	19.04.3	L	Noon.
21	16.749	19.37	83.3	31.60	83.7	.0465	.7810	19.04.4	D	1 12 p. m.
22	18.052	19.36	83.9	31.61	84.2	.0464	.7811	19.04.5	D	2 12 „
23	19.356	19.09	83.2	31.60	83.9	.0417	.7810	19.05.9	D	3 12 „
Aug. 30th—Noon	20.385	18.97	82.6	31.59	83.8	.0399	.7808	19.05.2	D	4 12 „
1	19.699	18.89	81.0	31.55	82.7	.0381	.7804	19.05.1	C	5 12 „
2	19.013	19.01	80.8	31.53	82.0	.0404	.7802	19.04.9	C	6 12 „
3	18.738	18.71	80.8	31.48	81.8	.0355	.7796	19.05.2	C	7 12 „
4	18.601	18.73	80.9	31.59	82.5	.0358	.7808	19.05.7	C	8 12 „
5	19.013	18.72	80.7	31.57	81.4	.0358	.7806	19.05.6	L	9 12 „
6	18.738	18.73	80.5	31.57	81.1	.0358	.7806	19.05.6	L	10 12 „
7	18.875	18.63	80.4	31.58	81.0	.0342	.7809	19.06.0	L	11 12 „
8	19.287	18.81	80.6	31.60	81.1	.0372	.7810	19.05.7	L	Midnight.
9	19.218	18.71	80.3	31.60	80.7	.0355	.7810	19.05.8	D	1 12 a. m.
10	19.356	18.84	79.7	31.51	80.3	.0377	.7800	19.05.2	D	2 12 „
11	19.356	18.94	79.7	31.51	80.2	.0393	.7800	19.05.0	D	3 12 „
12	19.356	18.95	80.0	31.61	80.4	.0395	.7811	19.05.3	D	4 12 „
13	19.356	19.06	79.9	31.61	80.8	.0413	.7811	19.05.2	C	5 12 „
14	21.071	18.91	79.8	31.61	80.9	.0388	.7811	19.05.4	C	6 12 „
15	21.963	18.94	80.0	31.64	81.0	.0393	.7814	19.05.5	C	7 12 „
16	21.551	19.15	80.4	31.65	81.1	.0428	.7815	19.05.1	C	8 12 „
17	19.904	19.34	80.5	31.61	81.0	.0459	.7811	19.04.5	L	9 12 „
18	18.052	19.53	80.4	31.60	80.8	.0419	.7810	19.04.1	L	10 12 „
19	16.955	19.81	81.1	31.61	81.1	.0535	.7811	19.03.5	L	11 12 „
20	16.749	19.80	81.9	31.63	81.8	.0534	.7813	19.03.7	L	Noon.
21	16.955	19.91	82.1	31.57	82.2	.0552	.7806	19.03.1	D	1 12 p. m.
22	17.984	19.85	83.0	31.59	83.1	.0542	.7808	19.03.4	D	2 12 „
23	18.944	19.49	81.2	31.58	82.6	.0483	.7807	19.04.2	D	3 12 „

On the 28th, at about 18h., Dip as obtained by Observation was 18°52'5.
On the 29th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 1ST TO 3RD SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 1st-Noon	18'738	18.94	81°7	31.67	83°5	8.0393	2.7817	19°05'7	C	4 12 p. m.
1	18.944	18.86	81.6	31.62	83.2	.0381	.7812	19.05.6	C	5 12 „
2	18.807	18.71	81.3	31.61	82.9	.0355	.7811	19.05.8	C	6 12 „
3	18.875	18.27	80.9	31.61	82.5	.0284	.7811	19.06.9	C	7 12 „
4	19.218	18.12	80.9	31.58	82.1	.0260	.7807	19.07.0	C	8 12 „
5	19.218	18.20	81.0	31.58	81.4	.0272	.7807	19.06.9	L	9 12 „
6	19.150	18.50	81.0	31.58	81.4	.0321	.7807	19.06.2	L	10 12 „
7	19.424	18.56	81.0	31.59	81.5	.0331	.7808	19.06.1	L	11 12 „
8	19.013	18.76	81.0	31.59	81.5	.0364	.7808	19.05.7	L	Midnight.
9	19.287	18.80	81.0	31.54	81.3	.0371	.7803	19.05.4	D	1 12 a. m.
10	19.493	18.74	81.0	31.62	81.4	.0360	.7812	19.05.8	D	2 12 „
11	19.699	18.66	80.9	31.62	81.2	.0348	.7812	19.05.9	D	3 12 „
12	19.699	18.76	80.8	31.53	81.1	.0364	.7802	19.05.4	D	4 12 „
13	20.110	18.73	80.7	31.60	81.3	.0358	.7810	19.05.8	C	5 12 „
14	21.139	18.48	80.8	31.65	81.6	.0317	.7815	19.06.5	C	6 12 „
15	21.071	18.69	80.8	31.65	81.6	.0352	.7815	19.06.1	C	7 12 „
16	20.728	18.82	81.3	31.59	81.7	.0375	.7808	19.05.5	C	8 12 „
17	18.807	19.23	82.0	31.61	82.0	.0432	.7811	19.05.9	L	9 12 „
18	16.817	19.63	82.5	31.61	82.1	.0506	.7811	19.05.2	L	10 12 „
19	15.651	19.75	83.4	31.59	83.0	.0526	.7808	19.03.5	L	11 12 „
20	15.308	19.77	83.6	31.59	83.1	.0530	.7808	19.03.5	L	Noon.
21	15.583	19.69	83.9	31.61	83.6	.0516	.7811	19.03.7	D	1 12 p. m.
22	16.612	19.55	84.0	31.62	83.9	.0493	.7812	19.04.1	D	2 12 „
23	18.738	19.02	84.1	31.65	83.9	.0407	.7815	19.05.4	D	3 12 „
Sept. 2nd-Noon	19.699	18.97	83.6	31.63	84.3	.0399	.7813	19.05.4	D	4 12 „
1	20.042	18.95	83.0	31.55	83.8	.0395	.7804	19.05.0	C	5 12 „
2	19.356	18.70	82.5	31.52	83.2	.0354	.7801	19.05.5	C	6 12 „
3	19.493	18.87	82.2	31.52	83.0	.0383	.7801	19.05.4	C	7 12 „
4	18.944	18.80	82.0	31.48	82.8	.0371	.7790	19.05.1	C	8 12 „
5	18.738	18.68	82.0	31.49	82.3	.0350	.7797	19.05.4	L	9 12 „
6	18.807	18.69	81.9	31.51	82.2	.0352	.7800	19.05.5	L	10 12 „
7	19.013	18.70	81.8	31.50	82.0	.0354	.7799	19.05.4	L	11 12 „
8	18.807	18.92	81.7	31.51	82.0	.0391	.7800	19.05.0	L	Midnight.
9	19.013	18.90	81.5	31.51	82.1	.0387	.7800	19.05.0	D	1 12 a. m.
10	19.081	18.91	81.3	31.46	81.9	.0388	.7794	19.04.7	D	2 12 „
11	19.493	18.69	81.2	31.45	81.8	.0352	.7793	19.05.2	D	3 12 „
12	19.424	18.82	81.1	31.46	81.9	.0375	.7794	19.04.9	D	4 12 „
13	19.630	18.76	81.1	31.48	81.9	.0360	.7796	19.05.2	C	5 12 „
14	20.247	18.81	81.2	31.51	81.9	.0372	.7800	19.05.3	C	6 12 „
15	20.590	18.68	81.1	31.53	81.9	.0350	.7802	19.05.5	C	7 12 „
16	19.013	18.98	81.4	31.55	81.5	.0399	.7804	19.05.0	C	8 12 „
17	16.612	19.49	82.4	31.54	82.0	.0483	.7803	19.04.0	L	9 12 „
18	15.240	19.60	83.0	31.56	82.8	.0504	.7805	19.03.8	L	10 12 „
19	14.965	19.41	83.5	31.55	83.0	.0470	.7804	19.04.1	L	11 12 „
20	15.171	19.70	84.3	31.56	83.6	.0518	.7805	19.03.5	L	Noon.
21	15.857	19.63	84.9	31.51	83.8	.0506	.7800	19.03.5	D	1 12 p. m.
22	16.269	19.23	84.9	31.53	84.4	.0430	.7804	19.04.5	D	2 12 „
23	19.013	19.13	84.9	31.56	85.3	.0424	.7805	19.04.8	D	3 12 „
Sept. 3rd-Noon	19.699	19.09	84.7	31.51	85.4	.0417	.7800	19.04.6	D	4 12 „
1	19.973	18.92	84.1	31.50	85.0	.0391	.7799	19.04.9	C	5 12 „
2	18.944	18.91	83.5	31.46	84.7	.0388	.7794	19.04.7	C	6 12 „
3	18.807	18.71	83.0	31.50	83.9	.0355	.7799	19.05.3	C	7 12 „
4	18.807	18.71	82.8	31.49	83.4	.0355	.7799	19.05.3	C	8 12 „
5	18.875	18.56	82.4	31.49	83.0	.0331	.7797	19.05.7	L	9 12 „
6	19.150	18.76	82.2	31.51	83.0	.0364	.7800	19.05.4	L	10 12 „
7	19.356	18.84	82.1	31.51	82.9	.0377	.7800	19.05.2	L	11 21 „
8	19.424	18.72	82.0	31.50	82.6	.0338	.7799	19.05.3	L	Midnight.
9	19.424	18.78	81.9	31.50	82.5	.0375	.7799	19.05.1	D	1 12 a. m.
10	19.493	18.73	81.9	31.52	82.4	.0367	.7801	19.05.3	D	2 12 „
11	19.356	18.69	81.9	31.57	82.4	.0352	.7806	19.05.7	D	3 12 „

On the 1st, at about 19h., Dip as obtained by Observation was 18°47'4.

DAILY OBSERVATIONS FROM 3RD TO 5TH SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
SEPT. 3RD—12	19°630	18.71	81°8	31.57	82°4	8.0355	2.7806	19°05'6	D	4 12 a. m.
13	19.630	18.72	81.7	31.59	82.4	.0358	.7808	19.05.7	C	5 12 „
14	20.865	18.67	81.6	31.61	82.3	.0350	.7811	19.05.9	C	6 12 „
15	22.032	18.54	81.8	31.62	82.3	.0327	.7812	19.06.2	C	7 12 „
16	21.688	18.65	82.2	31.60	82.9	.0346	.7810	19.05.9	C	8 12 „
17	19.493	19.13	83.1	31.57	83.0	.0424	.7806	19.04.8	L	9 12 „
18	17.435	19.62	84.0	31.58	83.4	.0506	.7807	19.03.8	L	10 12 „
19	16.063	19.86	84.6	31.58	83.9	.0544	.7807	19.03.4	L	11 12 „
20	15.240	19.74	84.5	31.57	84.0	.0524	.7806	19.03.5	L	Noon.
21	15.583	19.61	84.8	31.57	84.2	.0503	.7806	19.03.8	D	1 12 p. m.
22	16.955	19.37	85.4	31.51	85.3	.0465	.7800	19.04.0	D	2 12 „
23	18.052	19.24	85.2	31.57	85.6	.0432	.7806	19.04.7	D	3 12 „
SEPT. 4TH—Noon	18.944	19.00	85.0	31.57	85.6	.0403	.7806	19.05.1	D	4 12 „
1	19.150	18.82	83.9	31.51	85.1	.0375	.7800	19.05.2	C	5 12 „
2	19.287	18.76	83.0	31.48	83.8	.0364	.7796	19.05.2	C	6 12 „
3	19.013	18.61	82.9	31.48	83.5	.0339	.7796	19.05.5	C	7 12 „
4	18.875	18.66	82.8	31.54	83.5	.0348	.7803	19.05.6	C	8 12 „
5	18.807	18.61	82.4	31.52	83.2	.0339	.7801	19.05.7	L	9 12 „
6	19.218	18.61	82.3	31.51	83.0	.0339	.7800	19.05.7	L	10 12 „
7	19.081	18.75	82.0	31.53	83.0	.0362	.7802	19.05.5	L	11 12 „
8	19.218	18.74	82.0	31.52	82.8	.0360	.7801	19.05.5	L	Midnight.
9	19.081	18.68	81.9	31.43	82.8	.0350	.7791	19.05.1	D	1 12 a. m.
10	18.807	18.68	81.9	31.48	82.7	.0350	.7796	19.05.3	D	2 12 „
11	19.013	18.83	81.9	31.58	82.6	.0375	.7807	19.05.5	D	3 12 „
12	19.424	18.83	81.9	31.58	82.5	.0375	.7807	19.05.5	D	4 12 „
13	19.493	18.84	81.8	31.58	82.4	.0377	.7807	19.05.5	C	5 12 „
14	20.179	18.82	81.6	31.59	82.4	.0375	.7808	19.05.5	C	6 12 „
15	21.071	18.88	81.7	31.58	82.3	.0383	.7807	19.05.5	C	7 12 „
16	21.071	19.04	81.5	31.57	82.3	.0409	.7806	19.05.0	C	8 12 „
17	19.836	19.24	82.6	31.56	82.8	.0432	.7805	19.04.7	L	9 12 „
18	17.641	19.62	83.5	31.55	83.2	.0506	.7804	19.03.6	L	10 12 „
19	16.406	19.77	84.4	31.56	84.0	.0530	.7805	19.03.4	L	11 12 „
20	15.308	19.80	85.1	31.56	84.7	.0534	.7805	19.03.4	L	Noon.
21	15.583	19.68	85.4	31.55	85.1	.0514	.7804	19.03.6	D	1 12 p. m.
22	16.337	19.61	85.8	31.53	86.0	.0503	.7802	19.03.6	D	2 12 „
23	17.709	19.53	85.9	31.55	86.1	.0489	.7804	19.03.8	D	3 12 „
SEPT. 5TH—Noon	19.013	19.29	85.7	31.48	85.9	.0440	.7796	19.04.2	D	4 12 „
1	18.944	19.16	85.1	31.48	85.8	.0430	.7796	19.04.3	C	5 12 „
2	18.532	19.06	84.5	31.46	85.4	.0413	.7794	19.04.5	C	6 12 „
3	18.532	18.88	83.9	31.45	85.1	.0383	.7793	19.04.9	C	7 12 „
4	18.875	18.91	83.4	31.46	84.6	.0388	.7794	19.04.7	C	8 12 „
5	18.807	18.84	83.0	31.44	84.0	.0377	.7792	19.04.8	L	9 12 „
6	19.013	18.85	82.5	31.46	83.5	.0379	.7794	19.04.9	L	10 12 „
7	19.081	18.89	82.4	31.45	83.3	.0393	.7793	19.04.7	L	11 12 „
8	19.561	18.69	81.6	31.44	82.9	.0352	.7792	19.05.1	L	Midnight.
9		Lost					Lost			1 12 a. m.
10	19.356	18.78	81.5	31.50	82.5	.0366	.7799	19.05.2	G	2 12 „
11	18.944	18.81	81.3	31.42	82.4	.0372	.7790	19.04.9	D	3 12 „
12	19.081	18.88	81.4	31.42	82.2	.0383	.7790	19.04.6	D	4 12 „
13	19.013	18.84	81.2	31.42	82.2	.0377	.7790	19.04.8	C	5 12 „
14	19.904	18.83	81.1	31.53	82.3	.0375	.7802	19.05.2	C	6 12 „
15	20.865	18.93	81.1	31.54	82.3	.0391	.7803	19.05.1	C	7 12 „
16	20.933	19.26	81.9	31.58	82.5	.0436	.7807	19.04.7	C	8 12 „
17	19.767	19.66	83.1	31.57	83.0	.0512	.7806	19.03.7	L	9 12 „
18	18.327	19.84	84.0	31.55	83.8	.0540	.7804	19.03.2	L	10 12 „
19	15.994	20.05	84.9	31.54	84.1	.0575	.7803	19.02.7	L	11 12 „
20	14.965	20.03	85.4	31.57	84.9	.0571	.7806	19.02.9	L	Noon.
21	15.856	19.85	85.8	31.51	85.8	.0542	.7800	19.03.1	D	1 12 p. m.
22	16.843	19.73	85.9	31.53	86.0	.0522	.7802	19.03.3	D	2 12 „
23	18.052	19.44	86.0	31.54	86.4	.0475	.7803	19.04.0	D	3 12 „

On the 4th, at about 18h., Dip as obtained by Observation was 19°05'3.
On the 5th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 7TH TO 9TH SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 7th—Noon	19·561	19.02	84·9	31.58	86·0	8.0407	2.7807	19°05′1	C	4 12 p. m.
1	19.424	18.84	84.2	31.55	85.5	.0377	.7804	19.05.3	C	5 12 „
2	18.875	18.86	83.6	31.55	85.0	.0381	.7804	19.05.3	C	6 12 „
3	18.670	18.91	83.3	31.54	84.8	.0388	.7803	19.05.1	C	7 12 „
4	18.738	18.95	83.0	31.54	84.3	.0395	.7803	19.05.0	C	8 12 „
5	18.875	18.97	82.9	31.52	84.0	.0399	.7801	19.05.0	L	9 12 „
6	19.013	18.93	82.5	31.53	83.7	.0391	.7802	19.05.0	L	10 12 „
7	18.875	19.05	82.4	31.55	83.6	.0411	.7804	19.04.9	L	11 12 „
8	19.218	19.08	82.4	31.54	83.4	.0415	.7803	19.04.7	L	Midnight.
9	19.287	18.99	82.2	31.55	83.2	.0401	.7804	19.04.9	D	1 12 a. m.
10	19.287	19.07	82.1	31.49	83.0	.0415	.7797	19.04.5	D	2 12 „
11	19.218	19.00	82.0	31.48	82.8	.0403	.7796	19.04.7	D	3 12 „
12	19.218	19.00	82.0	31.48	82.8	.0403	.7796	19.04.7	D	4 12 „
13	19.356	19.06	81.9	31.57	82.8	.0413	.7806	19.05.0	C	5 12 „
14	20.042	19.12	81.9	31.63	82.9	.0424	.7803	19.05.1	C	6 12 „
15	21.482	19.05	82.0	31.60	83.0	.0411	.7810	19.05.2	C	7 12 „
16	21.826	19.58	82.7	31.60	83.2	.0497	.7810	19.04.0	C	8 12 „
17	20.179	19.93	83.4	31.58	83.4	.0555	.7807	19.03.1	L	9 12 „
18	18.327	19.93	83.4	31.58	83.4	.0555	.7807	19.03.1	L	10 12 „
19	16.131	19.75	82.7	31.59	83.0	.0526	.7808	19.03.5	L	11 12 „
20	15.308	19.78	83.7	31.62	83.9	.0530	.7812	19.03.6	L	Noon.
21	16.543	19.67	84.3	31.64	84.5	.0514	.7814	19.04.0	D	1 12 p. m.
22	16.886	19.69	84.7	31.59	84.8	.0516	.7808	19.03.6	D	2 12 „
23	17.366	19.63	84.9	31.56	85.2	.0506	.7805	19.03.7	D	3 12 „
Sept. 8th—Noon	19.013	19.59	84.5	31.60	86.6	.0499	.7810	19.04.0	D	4 12 „
1	19.150	19.17	83.5	31.59	85.0	.0432	.7808	19.04.8	C	5 12 „
2	18.601	19.13	83.0	31.61	84.3	.0424	.7811	19.05.0	C	6 12 „
3	18.738	18.99	82.7	31.59	84.0	.0401	.7808	19.05.2	C	7 12 „
4	18.944	19.01	82.6	31.59	83.8	.0404	.7808	19.05.2	C	8 12 „
5	18.601	19.09	82.4	31.59	83.6	.0417	.7808	19.04.9	L	9 12 „
6	18.738	19.13	82.2	31.59	83.3	.0424	.7808	19.04.9	L	10 12 „
7	18.875	19.13	82.0	31.59	83.1	.0424	.7808	19.04.9	L	11 12 „
8	19.218	19.08	81.9	31.59	82.0	.0415	.7808	19.04.9	L	Midnight.
9	18.601	18.67	81.6	31.58	82.8	.0350	.7807	19.05.8	D	1 12 a. m.
10	18.875	18.73	81.4	31.58	82.5	.0358	.7807	19.05.7	D	2 12 „
11	19.356	18.86	81.8	31.57	82.4	.0381	.7806	19.05.4	D	3 12 „
12	19.013	19.23	81.9	31.58	82.6	.0430	.7807	19.04.8	D	4 12 „
13	19.013	19.37	81.8	31.65	82.5	.0465	.7815	19.04.6	C	5 12 „
14	20.042	19.19	81.8	31.66	82.4	.0434	.7316	19.05.1	C	6 12 „
15	21.482	18.86	82.0	31.68	82.6	.0381	.7818	19.05.9	C	7 12 „
16	20.796	18.97	82.5	31.69	82.8	.0399	.7819	19.05.6	C	8 12 „
17	19.699	19.38	83.1	31.67	83.1	.0465	.7817	19.04.7	L	9 12 „
18	18.258	19.42	84.1	31.59	83.6	.0473	.7808	19.04.3	L	10 12 „
19	16.886	19.44	85.0	31.68	84.0	.0475	.7818	19.04.6	L	11 12 „
20	16.337	18.98	84.1	31.68	84.0	.0399	.7818	19.05.6	L	Noon.
21	16.817	18.62	84.6	31.73	84.2	.0342	.7824	19.06.6	D	1 12 p. m.
22	17.641	18.35	84.7	31.66	85.3	.0297	.7816	19.06.8	D	2 12 „
23	18.395	18.45	84.8	31.67	85.8	.0313	.7817	19.06.8	D	3 12 „
Sept. 9th—Noon	18.327	18.44	84.7	31.68	85.9	.0311	.7818	19.06.8	D	4 12 „
1	18.944	18.20	84.0	31.65	85.1	.0272	.7815	19.07.2	C	5 12 „
2	19.699	17.93	83.2	31.68	84.8	.0220	.7818	19.07.9	C	6 12 „
3	20.385	17.73	82.9	31.67	84.4	.0187	.7817	19.08.3	C	7 12 „
4	19.356	18.21	82.8	31.64	84.0	.0273	.7814	19.07.1	C	8 12 „
5	19.493	18.37	82.5	31.65	83.8	.0301	.7815	19.06.8	L	9 12 „
6	19.561	18.37	82.3	31.66	83.6	.0301	.7816	19.06.8	L	10 12 „
7	19.424	18.62	82.0	31.65	83.3	.0342	.7815	19.06.3	L	11 12 „
8	20.042	18.49	81.9	31.65	83.0	.0319	.7815	19.06.5	L	Midnight.
9	19.973	18.48	81.9	31.59	82.9	.0317	.7808	19.06.2	D	1 12 a. m.
10	19.493	18.61	81.8	31.58	82.8	.0339	.7809	19.06.0	D	2 12 „
11	19.424	18.82	81.6	31.58	82.7	.0375	.7809	19.05.5	D	3 12 „

On the 8th, at about 18h., Dip as obtained by Observation was 18°51′9.

DAILY OBSERVATIONS FROM 9TH TO 11TH SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 9th — 12	19·630	18.88	81·4	31.58	82·7	8.0383	2.7807	19°05′5	D	4 12 a. m.
13	20.042	18.84	81.2	31.58	82.6	.0377	.7807	19.05.5	D	5 12 „
14	21.071	18.92	81.1	31.67	82.3	.0391	.7817	19.05.7	D	6 12 „
15	21.345	18.96	81.1	31.68	82.0	.0397	.7814	19.05.4	L	7 12 „
16	20.590	19.27	81.9	31.65	82.4	.0438	.7815	19.05.0	L	8 12 „
17	19.287	19.40	82.9	31.65	83.0	.0469	.7815	19.04.6	L	9 12 „
18	17.435	19.68	83.7	31.66	83.5	.0514	.7816	19.04.1	L	10 12 „
19	16.886	19.62	84.2	31.67	84.0	.0506	.7817	19.04.2	L	11 12 „
20	16.817	19.61	84.5	31.67	84.6	.0503	.7817	19.04.3	L	Noon.
21	16.680	19.50	85.0	31.65	85.0	.0485	.7815	19.04.3	D	1 12 p. m.
22	16.955	19.34	85.2	31.62	85.8	.0459	.7812	19.04.5	D	2 12 „
23	18.327	19.17	85.3	31.64	86.4	.0432	.7814	19.05.0	D	3 12 „
Sept. 10th-Noon	19.013	19.15	85.0	31.68	86.1	.0428	.7818	19.05.2	D	4 12 „
1	19.013	19.11	84.1	31.65	85.6	.0421	.7815	19.05.2	C	5 12 „
2	18.738	19.07	83.6	31.65	85.1	.0415	.7815	19.05.2	C	6 12 „
3	18.670	18.83	83.1	31.63	84.6	.0375	.7813	19.05.7	C	7 12 „
4	19.218	18.66	82.9	31.63	84.5	.0348	.7813	19.06.0	C	8 12 „
5	19.424	18.43	82.7	31.62	84.0	.0309	.7812	19.06.4	L	9 12 „
6	19.424	18.54	82.2	31.61	83.7	.0327	.7811	19.06.2	L	10 12 „
7	19.493	18.67	82.0	31.63	83.5	.0350	.7813	19.06.0	L	11 12 „
8	20.042	18.61	81.9	31.59	83.0	.0339	.7808	19.06.0	L	Midnight.
9	19.973	18.75	82.0	31.59	82.9	.0362	.7808	19.05.7	D	1 12 a. m.
10	20.110	18.66	81.8	31.64	83.0	.0348	.7814	19.06.0	D	2 12 „
11	19.013	19.09	81.7	31.67	82.9	.0417	.7817	19.05.3	D	3 12 „
12	19.699	19.02	81.6	31.58	82.8	.0407	.7807	19.05.1	D	4 12 „
13	20.247	18.82	81.1	31.66	82.7	.0375	.7816	19.05.9	C	5 12 „
14	20.590	18.95	81.0	31.68	82.6	.0395	.7818	19.05.6	C	6 12 „
15	20.865	18.85	81.1	31.69	82.3	.0379	.7819	19.05.9	C	7 12 „
16	20.728	19.19	81.9	31.68	82.7	.0434	.7818	19.05.2	C	8 12 „
17	19.836	19.61	82.9	31.65	83.0	.0503	.7815	19.04.2	L	9 12 „
18	18.395	19.87	83.7	31.66	83.6	.0546	.7816	19.03.5	L	10 12 „
19	17.503	19.89	84.5	31.65	84.2	.0548	.7815	19.03.5	L	11 12 „
20	16.543	19.84	85.2	31.67	85.0	.0540	.7817	19.03.8	L	Noon.
21	16.612	19.78	85.4	31.66	85.3	.0530	.7816	19.03.8	D	1 12 p. m.
22	17.366	19.74	85.7	31.67	85.7	.0524	.7817	19.04.0	D	2 12 „
23	19.013	19.39	85.4	31.69	86.3	.0457	.7819	19.04.8	D	3 12 „
Sept. 11th-Noon	19.699	19.33	84.9	31.70	86.7	.0459	.7821	19.04.9	D	4 12 „
1	19.699	19.23	84.3	31.66	85.9	.0432	.7816	19.05.1	C	5 12 „
2	18.944	19.12	83.6	31.66	85.5	.0424	.7816	19.05.2	C	6 12 „
3	19.081	18.95	83.0	31.66	84.9	.0395	.7816	19.05.4	C	7 12 „
4	19.081	18.93	82.6	31.62	84.1	.0391	.7812	19.05.4	C	8 12 „
5	19.150	18.91	82.0	31.61	83.8	.0388	.7811	19.05.4	L	9 12 „
6	19.836	18.88	82.1	31.63	83.5	.0383	.7813	19.05.7	L	10 12 „
7	19.630	18.98	82.1	31.62	83.4	.0399	.7812	19.05.3	L	11 12 „
8	19.767	19.05	82.0	31.60	83.2	.0411	.7810	19.05.2	L	Midnight.
9	19.561	19.10	82.0	31.59	83.1	.0420	.7808	19.04.9	D	1 12 a. m.
10	18.670	19.13	81.9	31.59	83.0	.0424	.7808	19.04.9	D	2 12 „
11	18.944	19.09	81.4	31.59	82.9	.0417	.7808	19.04.9	D	3 12 „
12	19.561	19.05	81.0	31.58	82.7	.0411	.7807	19.05.1	D	4 12 „
13	19.561	19.05	81.0	31.65	82.6	.0411	.7815	19.05.4	C	5 12 „
14	20.865	19.00	80.9	31.72	82.3	.0403	.7823	19.05.8	C	6 12 „
15	21.551	18.88	80.9	31.73	82.0	.0393	.7824	19.05.9	C	7 12 „
16	21.276	19.03	81.0	31.71	81.9	.0407	.7822	19.05.6	C	8 12 „
17	19.287	19.50	82.1	31.70	82.5	.0485	.7821	19.04.5	L	9 12 „
18	17.984	19.76	83.3	31.71	83.0	.0528	.7822	19.04.0	L	10 12 „
19	16.749	19.86	84.3	31.73	83.7	.0544	.7824	19.04.0	L	11 12 „
20	16.063	19.84	84.8	31.74	84.1	.0540	.7825	19.04.1	L	Noon.
21	16.200	19.41	84.3	31.61	83.7	.0470	.7811	19.04.4	D	1 12 p. m.
22	17.641	19.81	84.8	31.72	83.9	.0535	.7823	19.04.0	D	2 12 „
23	19.493	19.47	83.9	31.79	84.6	.0481	.7830	19.05.1	D	3 12 „

On the 11th, at about 19h., Dip as obtained by Observation was 19°01′6.

DAILY OBSERVATIONS FROM 12TH TO 15TH SEPTEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
SEPT. 12TH–Noon	19'356	19.23	83°2	31.79	84°6	8.0430	2.7831	19°0547	D	4 12 p. m.
1	20.042	19.23	82.8	31.80	83.9	.0430	.7832	19.05.7	C	5 12 ,,
2	18.944	19.07	81.9	31.77	83.4	.0415	.7828	19.05.7	C	6 12 ,,
3	19.257	18.85	80.9	31.81	82.6	.0379	.7833	19.06.5	C	7 12 ,,
4	19.630	18.81	80.6	31.82	82.5	.0372	.7834	19.06.6	C	8 12 ,,
5	19.287	19.02	80.7	31.80	82.0	.0407	.7832	19.06.0	L	9 12 ,,
6	19.424	19.01	80.6	31.80	82.0	.0404	.7832	19.06.1	L	10 12 ,,
7	19.287	19.11	80.8	31.79	81.7	.0421	.7830	19.05.8	L	11 12 ,,
8	19.287	19.16	80.7	31.79	81.8	.0430	.7830	19.05.7	L	Midnight.
9	19.013	19.04	80.2	31.84	81.4	.0409	.7836	19.06.2	D	1 12 a. m.
10	19.356	19.07	80.6	31.79	81.3	.0415	.7831	19.05.8	D	2 12 ,,
11	19.287	19.12	80.1	31.78	81.0	.0424	.7829	19.05.7	D	3 12 ,,
12	19.424	19.15	80.0	31.79	81.7	.0328	.7831	19.05.7	D	4 12 ,,
13	20.042	19.12	80.1	31.81	81.0	.0324	.7833	19.05.9	L	5 12 ,,
14	21.139	19.10	80.1	31.80	80.8	.0320	.7832	19.05.8	L	6 12 ,,
15	21.619	18.96	80.4	31.82	80.5	.0397	.7834	19.06.2	L	7 12 ,,
16	19.973	19.11	80.5	31.82	80.7	.0421	.7834	19.05.9	C	8 12 ,,
17	17.298	19.48	80.9	31.79	80.8	.0481	.7830	19.05.1	C	9 12 ,,
18	15.240	19.75	82.0	31.82	81.8	.0526	.7834	19.04.5	C	10 12 ,,
19	13.935	19.98	82.9	31.86	82.1	.0563	.7838	19.04.3	C	11 12 ,,
20	14.141	19.88	83.8	31.82	83.0	.0546	.7834	19.04.2	C	Noon.
21	15.994	19.78	83.9	31.81	83.8	.0530	.7833	19.04.5	D	1 12 p. m.
22	17.984	19.65	84.0	31.84	84.6	.0510	.7836	19.04.9	D	2 12 ,,
23	19.699	19.55	84.0	31.86	85.2	.0493	.7838	19.05.2	D	3 12 ,,
SEPT. 14TH–Noon	19.836	19.53	84.6	31.82	85.8	.0489	.7834	19.05.0	D	4 12 ,,
1	19.904	19.36	83.8	31.80	85.1	.0463	.7832	19.05.3	D	5 12 ,,
2	19.287	19.25	83.0	31.79	84.8	.0434	.7830	19.05.7	D	6 12 ,,
3	19.013	19.07	82.8	31.78	84.3	.0415	.7829	19.05.7	D	7 12 ,,
4	19.013	19.95	82.2	31.77	83.9	.0395	.7828	19.06.0	D	8 12 ,,
5	18.944	19.02	82.1	31.78	83.3	.0407	.7829	19.05.9	L	9 12 ,,
6	18.944	19.06	82.0	31.80	83.3	.0413	.7832	19.06.0	L	10 12 ,,
7	19.150	19.08	82.0	31.80	83.2	.0415	.7832	19.05.8	L	11 12 ,,
8	19.218	19.06	82.0	31.77	83.0	.0413	.7828	19.05.9	L	Midnight.
9	19.356	19.07	81.9	31.79	83.0	.0415	.7828	19.05.7	D	1 12 a. m.
10	19.424	19.11	81.8	31.79	83.0	.0421	.7830	19.05.8	D	2 12 ,,
11	19.386	19.04	81.2	31.73	82.7	.0409	.7824	19.05.7	D	3 12 ,,
12	19.493	19.09	81.7	31.79	82.9	.0417	.7830	19.05.8	D	4 12 ,,
13	19.836	19.14	81.7	31.83	82.6	.0426	.7835	19.05.9	N	5 12 ,,
14	21.002	19.08	81.8	31.86	82.6	.0415	.7838	19.06.1	N	6 12 ,,
15	21.895	19.10	81.9	31.86	82.7	.0420	.7838	19.06.1	N	7 12 ,,
16	20.728	19.32	82.0	31.86	82.8	.0457	.7838	19.05.6	N	8 12 ,,
17	18.875	19.78	82.4	31.81	82.9	.0530	.7833	19.04.5	L	9 12 ,,
18	16.474	20.24	82.7	31.79	83.0	.0606	.7830	19.03.4	N	10 12 ,,
19	15.171	19.88	82.1	31.81	83.0	.0546	.7833	19.04.2	L	11 12 ,,
20	14.897	19.77	81.4	31.84	82.7	.0530	.7836	19.04.6	L	Noon.
21	15.514	19.61	80.7	31.82	82.0	.0503	.7834	19.04.9	L	1 12 p. m.
22	17.366	19.42	81.0	31.88	82.0	.0473	.7840	19.05.6	N	2 12 ,,
23	18.944	19.06	81.1	31.88	82.0	.0413	.7840	19.06.4	N	3 12 ,,
SEPT. 15TH–Noon	19.630	18.99	81.7	31.88	82.1	.0401	.7840	19.06.5	N	4 12 ,,
1	19.013	19.08	81.7	31.92	82.2	.0415	.7845	19.06.4	N	5 12 ,,
2	18.327	19.06	81.5	31.89	82.3	.0413	.7841	19.06.4	N	6 12 ,,
3	18.395	18.93	81.2	31.92	82.2	.0391	.7845	19.06.8	N	7 12 ,,
4	18.395	19.02	81.2	31.91	82.0	.0407	.7844	19.06.5	N	8 12 ,,
5	18.738	19.03	81.4	31.94	82.0	.0407	.7847	19.06.7	L	9 12 ,,
6	19.081	18.97	81.6	31.94	82.1	.0399	.7847	19.06.8	L	10 12 ,,
7	19.287	19.02	81.7	31.95	82.2	.0407	.7848	19.06.7	L	11 12 ,,
8	19.287	19.14	81.6	31.96	82.1	.0426	.7849	19.06.4	L	Midnight.
9	19.493	19.14	81.7	31.92	82.4	.0426	.7845	19.06.3	D	1 12 a. m.
10	19.699	19.10	81.5	31.97	82.2	.0420	.7850	19.06.6	D	2 12 ,,
11	19.424	18.96	81.3	31.97	82.2	.0397	.7850	19.06.9	D	3 12 ,,

On the 12th, at about 18h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 15TH TO 17TH SEPTEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
SEPT. 15TH—12	19'424	19.05	81°5	31.91	82°1	8.0411	2.7845	19°06'6	D	4 12 a. m.
13	19.493	19.02	81.3	31.96	82.0	.0407	.7849	19.06.7	N	5 12 „
14	20.728	19.11	81.3	32.00	82.0	.0421	.7854	19.06.7	N	6 12 „
15	21.551	19.17	81.6	32.00	82.0	.0432	.7854	19.06.6	N	7 12 „
16	20.933	19.33	82.1	31.97	82.3	.0457	.7850	19.06.0	N	8 12 „
17	19.424	19.68	82.7	31.96	82.8	.0514	.7849	19.05.4	L	9 12 „
18	18.052	19.94	83.4	31.94	83.2	.0557	.7847	19.04.7	L	10 12 „
19	16.886	20.08	84.3	31.96	84.0	.0579	.7849	19.04.5	L	11 12 „
20	16.037	20.04	84.7	31.95	84.4	.0573	.7848	19.04.6	L	Noon.
21	15.994	19.87	84.8	31.94	84.8	.0546	.7847	19.04.8	D	1 12 p. m.
22	18.612	19.79	84.7	31.90	85.0	.0532	.7843	19.04.9	D	2 12 „
23	18.670	19.45	83.8	31.89	84.5	.0477	.7841	19.05.5	D	3 12 „
SEPT. 16TH—Noon	19.630	19.25	83.2	31.91	84.2	.0434	.7844	19.06.2	D	4 12 „
1	19.287	19.11	82.4	31.94	83.0	.0421	.7847	19.06.5	N	5 12 „
2	18.327	19.00	81.8	31.93	82.7	.0403	.7846	19.06.7	N	6 12 „
3	18.327	18.70	81.0	31.92	82.0	.0354	.7845	19.07.3	L	7 12 „
4	18.189	18.54	80.2	31.92	82.4	.0327	.7845	19.07.6	L	8 12 „
5	19.081	18.70	80.0	31.97	81.0	.0354	.7850	19.07.5	L	9 12 „
6	18.944	18.76	79.6	31.94	80.8	.0364	.7847	19.07.3	L	10 12 „
7	18.944	18.67	79.7	31.96	80.5	.0350	.7849	19.07.4	L	11 12 „
8	19.218	18.74	79.7	31.96	80.6	.0360	.7849	19.07.3	L	Midnight.
9	19.699	18.66	79.8	31.91	80.4	.0348	.7844	19.07.2	D	1 12 a. m.
10	19.013	19.02	80.1	31.91	80.3	.0407	.7844	19.06.5	D	2 12 „
11	19.356	18.87	80.1	31.92	80.6	.0383	.7845	19.07.0	D	3 12 „
12	19.356	18.92	80.1	31.97	80.7	.0391	.7850	19.07.0	D	4 12 „
13	19.356	18.95	80.0	32.03	81.1	.0397	.7857	19.07.1	N	5 12 „
14	20.522	18.79	80.0	32.02	80.8	.0368	.7856	19.07.5	N	6 12 „
15	21.758	18.54	79.8	32.02	80.8	.0327	.7856	19.08.0	N	7 12 „
16	21.826	18.80	80.1	32.02	80.8	.0371	.7856	19.07.5	N	8 12 „
17	20.933	18.89	81.1	31.97	81.0	.0385	.7850	19.07.0	L	9 12 „
18	19.081	18.98	82.0	31.96	82.0	.0399	.7849	19.06.8	L	10 12 „
19	17.366	19.28	82.9	31.94	82.7	.0438	.7847	19.06.3	L	11 12 „
20	16.063	19.44	83.4	31.94	83.0	.0475	.7847	19.05.8	L	Noon.
21	16.612	19.41	83.8	31.95	83.2	.0470	.7848	19.05.9	D	1 12 p. m.
22	17.641	19.35	83.8	31.92	83.9	.0461	.7845	19.05.9	D	2 12 „
23	19.013	19.19	83.7	31.94	84.7	.0434	.7847	19.06.4	D	3 12 „
SEPT. 17TH—Noon	20.179	18.89	83.7	31.90	84.9	.0385	.7843	19.06.7	D	4 12 „
1	20.110	18.70	82.9	31.92	84.1	.0354	.7845	19.07.3	C	5 12 „
2	19.424	18.57	82.3	31.91	83.6	.0333	.7844	19.07.5	C	6 12 „
3	19.218	18.60	81.9	31.84	83.0	.0338	.7836	19.07.1	C	7 12 „
4	19.081	18.44	81.3	31.85	82.5	.0311	.7837	19.07.6	C	8 12 „
5	19.081	18.46	81.0	31.81	82.0	.0315	.7833	19.07.2	L	9 12 „
6	19.150	18.51	80.9	31.84	81.9	.0322	.7836	19.07.3	L	10 12 „
7	19.081	18.86	80.6	31.83	81.6	.0381	.7835	19.06.6	L	11 12 „
8	19.287	18.77	80.5	31.83	81.5	.0366	.7835	19.06.7	L	Midnight.
9	19.356	18.79	80.2	31.79	81.3	.0368	.7830	19.06.5	D	1 12 a. m.
10	19.356	18.79	80.4	31.79	81.2	.0368	.7830	19.06.5	D	2 12 „
11	19.218	18.87	80.3	31.78	81.1	.0083	.7829	19.06.3	D	3 12 „
12	19.767	18.61	80.3	31.78	81.1	.0339	.7829	19.06.8	D	4 12 „
13	19.973	18.66	80.1	31.84	81.0	.0348	.7836	19.06.9	C	5 12 „
14	20.385	18.66	80.1	31.90	81.0	.0348	.7843	19.07.2	C	6 12 „
15	21.345	18.74	80.4	31.91	81.2	.0360	.7844	19.07.1	C	7 12 „
16	22.101	18.96	81.2	31.89	81.7	.0397	.7841	19.06.5	C	8 12 „
17	21.482	19.25	82.1	31.84	82.0	.0434	.7836	19.05.9	L	9 12 „
18	19.836	19.54	83.0	31.84	82.6	.0491	.7836	19.05.1	L	10 12 „
19	18.258	19.47	83.3	31.79	83.0	.0481	.7830	19.05.1	L	11 12 „
20	15.720	19.56	83.5	31.78	83.2	.0495	.7829	19.04.7	L	Noon.
21	15.857	19.49	83.7	31.79	83.0	.0483	.7830	19.05.1	D	1 12 p. m.
22	17.641	19.27	83.4	31.81	83.8	.0438	.7833	19.05.7	D	2 12 „
23	19.013	19.05	83.0	31.83	84.2	.0411	.7835	19.06.2	D	3 12 „

On the 15th, at about 19h., Dip as obtained by Observation was 19°08'4.

DAILY OBSERVATIONS FROM 18TH TO 21ST SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 18th-Noon	19°973	18.92	82°0	31.80	83°4	8.0391	2.7832	19°06'2	D	4 12 p. m.
1	19.699	18.79	81.4	31.89	83.0	.0368	.7841	19.06.9	C	5 12 ,,
2	19.150	18.76	81.2	31.86	82.7	.0364	.7838	19.06.9	C	6 12 ,,
3	19.081	18.74	81.0	31.85	82.4	.0360	.7837	19.06.9	C	7 12 ,,
4	19.289	18.73	81.0	31.81	82.0	.0358	.7833	19.06.7	C	8 12 ,,
5	19.218	18.73	80.9	31.81	82.0	.0358	.7833	19.06.7	L	9 12 ,,
6	19.287	18.72	80.7	31.83	81.7	.0358	.7835	19.06.8	L	10 12 ,,
7	19.287	18.75	80.5	31.83	81.6	.0362	.7835	19.06.8	L	11 12 ,,
8	19.218	18.78	80.5	31.82	81.4	.0366	.7834	19.06.6	L	Midnight.
9	19.493	18.67	80.1	31.75	81.5	.0350	.7826	19.06.5	D	1 12 a. m.
10	19.424	18.77	80.1	31.79	81.3	.0366	.7830	19.06.5	D	2 12 ,,
11	19.356	18.79	80.0	31.84	81.2	.0368	.7836	19.06.7	D	3 12 ,,
12	19.287	18.81	80.0	31.83	81.1	.0372	.7835	19.06.7	D	4 12 ,,
13	19.218	18.88	80.0	31.82	80.8	.0383	.7834	19.06.5	C	5 12 ,,
14	20.179	18.88	79.9	31.82	80.8	.0383	.7834	19.06.5	C	6 12 ,,
15	21.071	18.73	79.6	31.84	80.2	.0378	.7836	19.06.6	C	7 12 ,,
16	21.139	18.73	79.4	31.84	80.0	.0378	.7836	19.06.6	C	8 12 ,,
17	20.522	18.58	79.5	31.85	80.2	.0331	.7837	19.07.5	L	9 12 ,,
18	19.150	19.31	79.8	31.82	80.2	.0454	.7834	19.05.5	L	10 12 ,,
19	16.749	19.41	79.8	31.79	80.2	.0470	.7830	19.05.2	L	11 12 ,,
20	16.171	19.27	79.4	31.79	80.0	.0438	.7830	19.05.6	L	Noon.
21	15.308	19.35	79.2	31.81	80.3	.0461	.7833	19.05.4	D	1 12 p. m.
22	16.680	19.23	78.9	31.75	80.1	.0430	.7826	19.05.5	D	2 12 ,,
23	18.327	19.02	78.1	31.75	79.9	.0407	.7826	19.05.8	D	3 12 ,,
Sept. 19th-Noon	19.287	18.88	77.9	31.79	79.6	.0383	.7830	19.06.4	D	4 12 ,,
1	19.013	18.85	77.9	31.87	79.4	.0379	.7839	19.06.7	C	5 12 ,,
2	18.738	18.83	77.9	31.89	79.2	.0375	.7841	19.06.8	C	6 12 ,,
3	18.327	18.76	77.7	31.95	78.9	.0364	.7848	19.07.3	C	7 12 ,,
4	18.464	18.76	77.5	31.95	78.8	.0364	.7848	19.07.3	C	8 12 ,,
5	18.807	18.73	77.3	31.94	78.5	.0358	.7847	19.07.3	L	9 12 ,,
6	18.601	18.85	77.5	31.94	78.7	.0379	.7847	19.07.1	L	10 12 ,,
7	18.670	18.91	77.6	31.94	78.7	.0388	.7847	19.06.9	L	11 12 ,,
8	18.944	18.95	77.5	31.94	78.7	.0395	.7847	19.06.8	L	Midnight.
9	19.287	18.86	77.8	31.91	78.8	.0381	.7844	19.06.9	D	1 12 a. m.
10	19.287	18.77	78.1	31.87	79.0	.0366	.7839	19.06.8	D	2 12 ,,
11	19.356	18.82	78.1	31.86	78.7	.0375	.7838	19.06.7	D	3 12 ,,
12	19.013	18.86	77.8	31.86	78.5	.0381	.7838	19.06.7	D	4 12 ,,
13	19.081	18.85	77.8	31.96	78.5	.0379	.7849	19.07.1	C	5 12 ,,
14	19.424	18.88	77.9	31.98	78.6	.0383	.7851	19.07.2	C	6 12 ,,
15	21.139	18.60	77.9	32.03	78.7	.0338	.7857	19.08.0	C	7 12 ,,
16	21.826	18.61	77.5	31.97	78.4	.0339	.7850	19.07.7	C	8 12 ,,
17	20.042	19.04	77.3	31.95	78.2	.0409	.7848	19.06.7	L	9 12 ,,
18	18.395	19.28	77.7	31.92	78.2	.0438	.7845	19.06.2	L	10 12 ,,
19	17.160	19.38	77.9	31.93	78.2	.0455	.7846	19.05.9	L	11 12 ,,
20	16.063	19.39	77.8	31.92	78.0	.0467	.7845	19.05.8	L	Noon.
21	16.269	19.25	77.7	31.80	78.4	.0434	.7832	19.05.7	D	1 12 p. m.
22	17.572	19.04	77.5	31.80	78.3	.0409	.7832	18.06.0	D	2 12 ,,
23	18.601	18.91	77.1	31.96	78.6	.0388	.7849	19.06.9	D	3 12 ,,
Sept. 21st-Noon	19.150	18.80	77.3	31.80	78.2	.0387	.7832	19.06.2	C	4 12 ,,
1	18.807	18.62	77.1	32.04	78.1	.0342	.7854	19.07.8	C	5 12 ,,
2	18.464	18.65	76.9	32.64	78.0	.0346	.7924	19.10.3	C	6 12 ,,
3	18.601	18.63	77.0	33.42	78.0	.0342	.8010	19.13.9	C	7 12 ,,
4	18.875	18.74	77.2	33.55	78.0	.0360	.8024	19.14.1	C	8 12 ,,
5	18.875	18.77	77.3	33.52	78.0	.0368	.8021	19.13.9	L	9 12 ,,
6	18.807	18.78	77.4	33.49	77.9	.0368	.8017	19.13.8	L	10 12 ,,
7	18.875	18.80	77.5	33.49	78.0	.0371	.8017	19.13.8	L	11 12 ,,
8	18.944	18.82	77.6	33.49	78.0	.0375	.8017	19.13.7	L	Midnight.
9	18.944	18.87	77.8	33.39	78.1	.0383	.8006	19.13.9	D	1 12 a. m.
10	19.013	18.89	78.0	33.40	72.4	.0385	.8008	19.13.1	D	2 12 ,,
11	18.875	18.90	78.0	33.40	78.3	.0387	.8008	19.13.1	D	3 12 ,,

DAILY OBSERVATIONS FROM 21ST TO 23RD SEPTEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
SEPT. 21ST—12	18'052	18.78	77°4	33.39	78°1	8.0366	2.8006	19°13'3	D	4 12 a. m.
13	19.356	18.89	77.5	33.51	78.2	.0385	.8020	19.13.6	C	5 12 „
14	19.561	18.94	77.5	33.53	78.2	.0393	.8022	19.13.6	C	6 12 „
15	20.453	19.02	77.5	33.54	78.1	.0407	.8020	19.13.5	C	7 12 „
16	20.590	19.22	77.6	33.47	78.1	.0430	.8015	19.12.9	C	8 12 „
17	19.287	19.64	78.1	33.33	78.4	.0508	.8000	19.11.3	L	9 12 „
18	17.641	19.81	78.5	33.24	78.6	.0535	.7990	19.10.5	L	10 12 „
19	16.563	19.76	78.4	33.26	78.7	.0528	.7992	19.10.6	L	11 12 „
20	16.474	19.62	78.5	33.26	78.8	.0506	.7992	19.10.9	L	Noon.
21	16.955	19.55	79.0	33.28	79.4	.0493	.7994	19.11.2	D	1 12 p. m.
22	18.327	19.31	19.0	33.29	79.6	.0454	.7995	19.11.8	D	2 12 „
23	19.013	19.15	19.3	33.24	79.8	.0428	.7990	19.11.9	D	3 12 „
SEPT. 22ND—Noon	19.356	19.09	79.7	33.30	80.1	.0417	.7997	19.12.3	D	4 12 „
1	18.944	19.00	79.5	33.28	80.0	.0403	.7994	19.12.4	C	5 12 „
2	18.738	18.97	79.3	33.29	79.8	.0401	.7995	19.12.5	C	6 12 „
3	18.464	18.93	79.1	33.31	79.7	.0391	.7998	19.12.7	C	7 12 „
4	18.532	18.87	78.9	33.32	79.5	.0383	.7999	19.12.9	C	8 12 „
5	18.670	18.96	79.0	33.31	79.4	.0397	.7998	19.12.6	L	9 12 „
6	18.807	18.91	79.0	33.32	79.4	.0388	.7999	19.12.7	L	10 12 „
7	19.013	18.83	79.0	33.33	79.4	.0375	.8000	19.13.0	L	11 12 „
8	18.875	18.96	78.8	33.33	79.3	.0397	.8000	19.12.7	L	Midnight.
9	19.287	18.86	78.4	33.35	79.0	.0381	.8002	19.13.0	G	1 12 a. m.
10	19.356	18.89	78.2	33.32	79.0	.0385	.7999	19.12.7	D	2 12 „
11	19.013	18.79	78.2	33.31	78.8	.0368	.7998	19.13.0	D	3 12 „
12	18.738	18.80	78.4	33.26	78.7	.0375	.7992	19.12.6	D	4 12 „
13	18.807	18.84	78.4	33.34	78.8	.0377	.8001	19.13.0	C	5 12 „
14	19.218	18.80	78.1	33.35	78.8	.0371	.8002	19.13.1	C	6 12 „
15	20.179	18.78	78.3	33.37	78.8	.0366	.8004	19.13.2	C	7 12 „
16	20.316	19.00	78.9	33.32	79.0	.0403	.7999	19.12.6	C	8 12 „
17	20.316	19.41	79.9	33.24	79.6	.0470	.7990	19.11.4	L	9 12 „
18	19.356	19.67	80.8	33.16	80.0	.0514	.7981	19.10.5	L	10 12 „
19	18.258	19.78	81.4	33.10	81.0	.0530	.7975	19.10.0	L	11 12 „
20	17.160	19.76	82.0	33.05	81.7	.0528	.7969	19.09.7	L	Noon.
21	17.229	19.61	82.3	33.08	82.6	.0503	.7974	19.10.3	D	1 12 p. m.
22	18.258	19.59	82.7	33.14	82.7	.0499	.7979	19.10.5	D	2 12 „
23	18.601	19.31	82.8	33.09	83.6	.0453	.7973	19.10.9	D	3 12 „
SEPT. 23RD—Noon	19.013	19.15	82.5	32.86	83.5	.0428	.7948	19.10.3	D	4 12 „
1	19.013	18.97	82.0	32.90	83.4	.0399	.7953	19.10.9	C	5 12 „
2	19.150	18.76	81.3	32.90	83.2	.0364	.7953	19.11.4	C	6 12 „
3	18.875	18.64	80.9	32.92	83.0	.0344	.7955	19.11.8	C	7 12 „
4	18.807	18.72	80.5	32.91	82.7	.0358	.7954	19.11.4	C	8 12 „
5	18.670	18.76	80.3	32.89	81.2	.0364	.7951	19.11.3	L	9 12 „
6	18.738	18.67	80.1	32.89	81.0	.0350	.7951	19.11.4	L	10 12 „
7	19.081	18.96	79.9	32.90	80.8	.0397	.7953	19.10.9	L	11 12 „
8	19.150	18.71	79.6	32.89	80.4	.0355	.7951	19.11.3	L	Midnight.
9	18.738	18.83	79.4	32.90	80.1	.0377	.7953	19.11.2	D	1 12 a. m.
10	18.601	18.77	79.1	32.95	80.0	.0366	.7958	19.11.5	D	2 12 „
11	18.052	18.65	79.0	32.94	79.7	.0346	.7957	19.11.7	D	3 12 „
12	18.601	18.95	79.0	32.94	79.6	.0395	.7957	19.11.1	D	4 12 „
13	18.601	18.91	79.3	32.96	79.6	.0388	.7959	19.11.2	C	5 12 „
14	19.081	18.81	79.1	32.99	79.7	.0372	.7962	19.11.5	C	6 12 „
15	20.385	18.70	79.3	33.01	79.8	.0354	.7965	19.11.9	C	7 12 „
16	20.865	18.83	79.8	33.01	80.0	.0375	.7965	19.11.6	C	8 12 „
17	20.659	19.20	80.9	32.91	80.2	.0426	.7954	19.10.5	L	9 12 „
18	19.973	19.38	81.6	32.83	81.0	.0465	.7945	19.09.7	L	10 12 „
19	17.778	19.47	82.3	32.74	81.9	.0481	.7935	19.09.2	L	11 12 „
20	16.612	19.46	82.7	32.73	82.3	.0479	.7934	19.09.1	L	Noon.
21	17.269	19.53	83.1	32.68	82.7	.0489	.7928	19.08.7	D	1 12 p. m.
22	17.366	19.45	83.7	32.60	83.2	.0477	.7920	19.08.6	D	2 12 „
23	18.258	19.33	83.7	32.61	83.7	.0457	.7921	19.08.8	D	3 12 „

DAILY OBSERVATIONS FROM 24TH TO 26TH SEPTEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 24th-Noon	18·944	19.17	83·4	32.64	84·5	8.0432	2.7924	19°09'3	D	4 12 p. m.
1	18.875	19.02	82.9	32.62	83.9	.0407	.7922	19.09.5	C	5 12 „
2	18.807	18.92	82.0	32.69	83.2	.0391	.7929	19.10.0	C	6 12 „
3	18.875	18.72	81.4	32.66	82.8	.0358	.7926	19.10.3	C	7 12 „
4	18.807	18.67	81.0	32.67	82.4	.0354	.7929	19.10.5	C	8 12 „
5	18.807	18.67	81.0	32.64	82.0	.0354	.7924	19.10.3	L	9 12 „
6	19.013	18.68	80.7	32.66	81.9	.0354	.7926	19.10.4	L	10 12 „
7	19.218	18.71	80.4	32.67	81.6	.0355	.7927	19.10.4	L	11 12 „
8	19.013	18.82	80.2	32.68	81.2	.0375	.7928	19.10.2	L	Midnight.
9	18.807	18.77	80.1	32.68	80.9	.0366	.7928	19.10.3	D	1 12 a. m.
10	18.738	18.80	80.0	32.62	80.7	.0371	.7922	19.10.0	D	2 12 „
11	18.670	18.80	79.8	32.62	80.5	.0372	.7922	19.10.0	D	3 12 „
12	18.670	18.91	79.8	32.66	80.3	.0388	.7926	19.09.9	D	4 12 „
13	18.738	18.95	80.0	32.74	80.5	.0395	.7935	19.10.2	C	5 12 „
14	18.875	18.95	80.0	32.80	80.6	.0395	.7942	19.10.4	C	6 12 „
15	19.973	18.84	80.1	32.83	80.6	.0377	.7945	19.10.9	C	7 12 „
16	20.247	19.09	80.6	32.81	80.8	.0417	.7943	19.10.2	C	8 12 „
17	20.385	19.42	81.5	32.77	81.0	.0473	.7938	19.09.4	L	9 12 „
18	19.973	19.70	82.5	32.71	82.0	.0518	.7932	19.08.4	L	10 12 „
19	18.944	19.85	83.3	32.64	82.7	.0542	.7924	19.07.9	L	11 12 „
20	17.503	19.84	83.7	32.59	83.0	.0540	.7916	19.07.6	L	Noon.
21	16.612	19.61	84.0	32.57	84.1	.0503	.7916	19.08.1	D	1 12 p. m.
22	17.366	19.53	84.7	32.60	84.9	.0489	.7920	19.08.4	D	2 12 „
23	18.601	19.31	84.5	32.56	85.3	.0454	.7915	19.08.7	D	3 12 „
Sept. 25th-Noon	19.630	19.15	84.0	32.57	85.6	.0428	.7916	19.09.0	D	4 12 „
1	19.218	19.12	83.3	32.51	84.8	.0424	.7910	19.08.9	C	5 12 „
2	18.738	19.05	82.7	32.51	84.4	.0411	.7910	19.09.1	C	6 12 „
3	18.532	18.95	82.0	32.52	83.8	.0395	.7911	19.09.2	C	7 12 „
4	18.532	18.91	81.8	32.53	83.3	.0388	.7912	19.09.3	C	8 12 „
5	18.670	18.89	81.5	32.53	82.7	.0385	.7912	19.09.3	L	9 12 „
6	18.601	18.92	81.3	32.55	82.4	.0391	.7914	19.09.4	L	10 12 „
7	18.875	18.91	81.0	32.56	82.1	.0388	.7915	19.09.5	L	11 12 „
8	19.081	18.89	80.9	32.57	82.0	.0385	.7916	19.09.5	L	Midnight.
9	19.013	18.93	80.9	32.56	82.1	.0391	.7915	19.09.5	D	1 12 a. m.
10	18.807	18.95	80.8	32.56	81.9	.0395	.7915	19.09.4	D	2 12 „
11	18.670	18.95	80.7	32.55	81.8	.0395	.7914	19.09.3	D	3 12 „
12	18.601	19.17	80.6	32.55	81.5	.0432	.7914	19.08.9	D	4 12 „
13	18.532	19.14	80.3	32.69	81.3	.0426	.7929	19.09.5	C	5 12 „
14	20.179	19.14	80.1	32.77	81.0	.0426	.7938	19.09.9	C	6 12 „
15	20.659	19.10	80.4	32.78	81.0	.0420	.7939	19.10.0	C	7 12 „
16	20.659	19.47	80.9	32.73	81.2	.0481	.7934	19.09.1	C	8 12 „
17	19.836	19.47	81.6	32.63	81.2	.0481	.7923	19.08.7	L	9 12 „
18	18.189	19.67	82.8	32.56	82.1	.0514	.7915	19.08.0	L	10 12 „
19	16.406	20.23	83.4	32.53	83.0	.0604	.7912	19.06.6	L	11 12 „
20	15.720	20.05	83.8	32.58	83.4	.0575	.7917	19.07.2	L	Noon.
21	16.612	19.89	84.2	32.63	84.2	.0548	.7927	19.07.9	D	1 12 p. m.
22	17.298	19.56	84.3	32.64	84.8	.0496	.7924	19.08.4	D	2 12 „
23	19.081	18.51	84.3	32.66	85.4	.0322	.7926	19.10.8	D	3 12 „
Sept. 26th-Noon	19.699	18.73	83.9	32.62	85.6	.0358	.7922	19.10.1	D	4 12 „
1	18.875	18.80	83.4	32.53	84.8	.0371	.7912	19.09.6	C	5 12 „
2	18.189	18.82	82.7	32.53	84.0	.0375	.7912	19.09.5	C	6 12 „
3	18.395	18.55	82.0	32.59	83.5	.0329	.7918	19.10.4	C	7 12 „
4	18.738	18.30	81.9	32.59	83.1	.0289	.7918	19.10.9	C	8 12 „
5	19.424	18.12	81.7	32.61	82.8	.0260	.7921	19.11.4	L	9 12 „
6	20.316	18.15	81.5	32.64	82.5	.0264	.7924	19.11.5	L	10 12 „
7	19.767	18.15	81.3	32.65	82.2	.0264	.7925	19.11.6	L	11 12 „
8	19.356	18.51	81.0	32.68	82.1	.0322	.7928	19.10.9	L	Midnight.
9	19.424	18.58	80.9	32.66	82.1	.0333	.7926	19.10.7	D	1 12 a. m.
10	19.287	18.88	80.9	32.66	82.0	.0383	.7926	19.10.1	D	2 12 „
11	19.356	18.89	80.7	32.71	82.0	.0385	.7932	19.10.1	D	3 12 „

On the 25th, at about 19h., Dip as obtained by Observation was 18°57'2. Fixed Meridian Mark observed by the Declination Transit, which read 29'770.

On the 25th, Time of Vibration of Large Magnetometers were also examined.

DAILY OBSERVATIONS FROM 26TH TO 29TH SEPTEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
SEPT. 26TH—12	19'356	18.69	80°7	32.75	81°8	8.0352	2.7936	19°10'8	D	4 12 a. m.
13	19.699	18.67	80.7	32.78	81.7	.0350	.7939	19.10.9	C	5 12 "
14	20.728	18.58	80.5	32.83	81.5	.0333	.7945	19.11.5	C	6 12 "
15	20.728	18.79	80.8	32.80	81.5	.0368	.7942	19.10.8	C	7 12 "
16	19.561	19.04	81.3	32.76	81.7	.0409	.7937	19.10.2	C	8 12 "
17	18.327	19.27	82.4	32.73	82.3	.0438	.7934	19.09.6	L	9 12 "
18	16.817	19.25	83.2	32.74	82.9	.0436	.7935	19.09.7	L	10 12 "
19	15.857	19.39	83.6	32.71	83.1	.0467	.7932	19.09.1	L	11 12 "
20	15.788	19.44	84.1	32.75	84.0	.0485	.7936	19.09.0	L	Noon.
21	17.572	19.31	84.8	32.75	85.1	.0454	.7936	19.09.5	D	1 12 p. m.
22	19.013	19.23	84.9	32.76	85.4	.0430	.7937	19.09.9	D	2 12 "
23	19.630	19.25	85.0	32.67	85.7	.0444	.7927	19.09.4	D	3 12 "
SEPT. 28TH—Noon	19.561	19.13	83.5	32.84	85.2	.0424	.7946	19.10.3	C	4 12 "
1	19.287	18.78	81.5	32.82	84.0	.0366	.7944	19.10.9	C	5 12 "
2	18.807	18.68	81.3	32.78	82.8	.0350	.7938	19.10.9	C	6 12 "
3	18.601	18.69	81.6	32.82	83.0	.0352	.7944	19.11.1	C	7 12 "
4	18.944	18.65	81.7	32.83	82.8	.0346	.7945	19.11.2	C	8 12 "
5	18.875	18.83	81.7	32.88	82.5	.0375	.7950	19.11.1	L	9 12 "
6	18.944	18.84	81.7	32.89	82.3	.0377	.7951	19.11.1	L	10 12 "
7	19.218	19.04	81.6	32.90	82.1	.0409	.7953	19.10.8	L	11 12 "
8	19.287	18.89	81.5	32.93	82.0	.0385	.7956	19.11.1	L	Midnight.
9	19.630	18.81	81.8	32.91	82.1	.0372	.7954	19.11.3	D	1 12 a. m.
10	19.287	18.95	81.7	32.91	81.9	.0395	.7954	19.10.9	D	2 12 "
11	19.699	18.97	81.6	32.95	81.6	.0399	.7958	19.11.1	D	3 12 "
12	19.973	18.99	81.5	32.95	81.8	.0401	.7958	19.11.1	D	4 12 "
13	19.561	18.93	81.2	33.04	82.2	.0391	.7968	19.11.5	C	5 12 "
14	19.356	18.99	81.0	33.05	82.0	.0401	.7969	19.11.4	C	6 12 "
15	19.561	18.88	81.1	33.05	81.8	.0383	.7969	19.11.7	C	7 12 "
16	18.807	19.04	81.9	33.02	82.1	.0409	.7966	19.11.2	C	8 12 "
17	17.641	19.42	82.7	32.98	82.6	.0474	.7961	19.10.2	L	9 12 "
18	16.680	19.66	83.6	32.97	83.1	.0512	.7960	19.09.7	L	10 12 "
19	16.543	19.69	84.3	32.95	83.9	.0516	.7958	19.09.5	L	11 12 "
20	16.406	19.75	84.9	32.94	84.5	.0526	.7957	19.09.4	L	Noon.
21	17.366	19.45	85.2	32.91	85.3	.0477	.7954	19.09.9	D	1 12 p. m.
22	18.327	19.45	85.7	32.94	86.2	.0477	.7957	19.10.1	D	2 12 "
23	18.875	19.45	85.7	32.95	86.5	.0477	.7958	19.10.1	D	3 12 "
SEPT. 29TH—Noon	19.013	19.33	84.9	32.87	85.6	.0457	.7949	19.09.9	D	4 12 "
1	18.738	19.09	84.4	32.73	85.2	.0417	.7934	19.09.8	C	5 12 "
2	18.670	18.98	84.2	32.72	85.0	.0399	.7933	19.10.1	C	6 12 "
3	18.601	18.84	84.0	32.73	85.0	.0377	.7934	19.10.4	C	7 12 "
4	19.561	18.92	83.5	32.73	84.1	.0391	.7934	19.10.2	C	8 12 "
5	19.218	18.62	83.0	32.76	83.9	.0342	.7937	19.11.1	L	9 12 "
6	19.561	18.77	81.8	32.72	83.0	.0368	.7933	19.10.5	L	10 12 "
7	19.630	18.55	81.7	32.75	82.7	.0329	.7936	19.11.1	L	11 12 "
8	19.218	18.51	81.5	32.80	82.5	.0322	.7942	19.11.4	L	Midnight.
9	19.356	18.41	81.3	32.77	82.3	.0306	.7938	19.11.5	D	1 12 a. m.
10	19.356	18.44	81.2	32.76	82.1	.0311	.7937	19.11.5	D	2 12 "
11	19.013	18.82	81.1	32.86	81.9	.0375	.7948	19.11.0	D	3 12 "
12	19.356	18.98	80.9	32.86	82.1	.0399	.7948	19.10.7	D	4 12 "
13	18.875	18.76	80.9	32.89	81.6	.0364	.7951	19.11.3	C	5 12 "
14	19.356	18.81	80.9	32.92	81.8	.0372	.7955	19.11.4	C	6 12 "
15	19.904	18.71	81.1	32.92	81.8	.0355	.7955	19.11.5	C	7 12 "
16	19.767	18.96	81.5	32.87	81.8	.0397	.7949	19.10.7	C	8 12 "
17	18.738	19.37	82.5	32.83	82.2	.0465	.7945	19.09.7	L	9 12 "
18	18.052	19.75	83.8	32.81	83.0	.0526	.7943	19.08.8	L	10 12 "
19	17.023	19.83	84.5	32.76	83.2	.0538	.7937	19.08.5	L	11 12 "
20	15.720	19.78	85.0	32.70	84.0	.0530	.7931	19.08.3	L	Noon.
21	15.994	19.45	85.0	32.64	84.6	.0477	.7924	19.08.7	D	1 12 p. m.
22	17.366	19.39	85.2	32.65	84.9	.0467	.7925	19.08.9	D	2 12 "
23	18.327	19.43	85.7	32.66	85.0	.0473	.7926	19.08.9	D	3 12 "

On the 26th, at about 19h., Deflection Observations were taken.
On the 29th, at about 20h., Dip as obtained by Observation was 18°54'0.

DAILY OBSERVATIONS FROM 30TH SEPTEMBER TO 2ND OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Sept. 30th—Noon	18·327	19.22	85·0	32.67	85·7	8.0430	2.7927	19°09′5	D	4 12 p. m.
1	18.670	19.06	84.4	32.63	84.8	.0413	.7923	19.09.6	C	5 12 „
2	18.327	18.94	83.9	32.62	84.4	.0393	.7922	19.09.7	C	6 12 „
3	18·738	18.80	83.6	32.64	84.0	.0371	.7924	19.10.1	C	7 12 „
4	18.532	18.71	83.4	32.64	83.9	.0355	.7924	19.10.2	C	8 12 „
5	18.670	18.78	83.2	32.67	83.4	.0368	.7927	19.10.3	L	9 12 „
6	18.807	18.75	83.0	32.69	83.1	.0362	.7929	19.10.4	L	10 12 „
7	18.395	19.19	82.7	32.69	83.0	.0434	.7929	19.09.5	L	11 12 „
8	19.150	18.88	82.5	32.73	83.0	.0383	.7934	19.10.4	L	Midnight.
9	19.287	18.77	82.3	32.73	82.9	.0366	.7934	19.10.5	C	1 12 a. m.
10	19.424	18.73	82.1	32.74	82.8	.0358	.7935	19.10.7	C	2 12 „
11	19.424	18.76	81.9	32.76	82.5	.0363	.7937	19.10.8	C	3 12 „
12	19.493	18.82	81.7	32.79	82.2	.0375	.7940	19.10.7	C	4 12 „
13	19.287	18.78	81.6	32.80	82.0	.0365	.7942	19.10.8	C	5 12 „
14	19.493	18.81	81.5	32.82	81.8	.0372	.7944	19.10.9	C	6 12 „
15	20.247	18.75	81.5	32.85	81.6	.0363	.7947	19.11.2	L	7 12 „
16	20.385	18.85	82.1	32.78	82.0	.0379	.7939	19.10.6	L	8 12 „
17	19.150	19.22	83.0	32.76	82.7	.0430	.7937	19.09.9	L	9 12 „
18	17.572	19.28	83.9	32.72	83.1	.0438	.7933	19.09.6	L	10 12 „
19	17.023	19.40	84.6	32 70	84.0	.0469	.7931	19.09.1	L	11 12 „
20	16.955	19.36	85.2	32.69	84.2	.0463	.7929	19.09.1	L	Noon.
21	17.641	19.31	85.3	32.64	84.7	.0454	.7924	19.09.0	D	1 12 p. m.
22	19.013	19.17	85.1	32.60	84.9	.0432	.7920	19.09.2	D	2 12 „
23	18.944	19.05	85.5	32.67	85.7	.0411	.7927	19.09.8	D	3 12 „
Oct. 1st—Noon	19.218	19.06	85.3	32.63	85.0	.0413	.7923	19.09.6	D	4 12 „
1	18.738	19.05	84.7	32.59	84.7	.0411	.7918	19.09.4	D	5 12 „
2	18.327	18.93	84.1	32.58	84.2	.0391	.7917	19.09.6	D	6 12 „
3	18.327	18.84	83.7	32.57	83.9	.0377	.7916	19.09.7	D	7 12 „
4	18.738	18.75	83.5	32.61	83.5	.0362	.7921	19.10.1	D	8 12 „
5	19.013	18.76	83.4	32.68	83.4	.0363	.7928	19.10.4	L	9 12 „
6	19.081	18.78	83.1	32.68	83.3	.0366	.7928	19.10.3	L	10 12 „
7	19.287	18.88	83.0	32.70	83.4	.0383	.7931	19.10.3	L	11 12 „
8	19.287	18.96	83.0	32.72	83.2	.0397	.7932	19.10.0	L	Midnight.
9	19.424	18.90	82.8	32.74	83.0	.0387	.7935	19.10.3	N	1 12 a. m.
10	19.356	18.86	82.8	32.74	83.0	.0381	.7935	19.10.5	N	2 12 „
11	19.081	18.92	82.6	32.72	83.0	.0391	.7933	19.10.2	N	3 12 „
12	19.013	18.80	82.3	32.76	82.8	.0371	.7937	19.10.7	N	4 12 „
13	18.807	18.83	82.1	32.73	82.7	.0375	.7934	19.10.4	D	5 12 „
14	19.630	18.76	82.1	32.78	82.5	.0364	.7939	19.10.8	D	6 12 „
15	20.659	18.72	82.1	32.77	82.3	.0368	.7938	19.10.7	D	7 12 „
16	20.796	18.94	82.7	32.78	82.8	.0393	.7939	19.10.4	D	8 12 „
17	20.453	19.29	83.7	32.75	83.0	.0440	.7936	19.09.7	L	9 12 „
18	19.356	19.62	84.4	32.67	83.6	.0506	.7927	19.08.5	L	10 12 „
19	17.846	19.76	85.0	32.63	84.2	.0528	.7923	19.08.0	L	11 12 „
20	16.886	19.67	85.6	32.63	84.9	.0514	.7923	19.08.3	L	Noon.
21	17.435	19.43	85.8	32.66	85.3	.0473	.7926	19.08.9	N	1 12 p. m.
22	18.464	19.28	86.1	32.64	86.0	.0438	.7924	19.09.2	N	2 12 „
23	19.287	19.18	85.9	32.57	85.8	.0432	.7916	19.09.0	N	3 12 „
Oct. 2nd—Noon	19.424	19.07	85.3	32.54	85.2	.0415	.7913	19.09.0	N	4 12 „
1	18.670	19.06	84.8	32.47	85.6	.0413	.7905	19.08.9	D	5 12 „
2	18.327	19.81	84.3	32.50	85.1	.0372	.7909	19.09.5	D	6 12 „
3	18.738	18.85	84.0	32.54	84.6	.0379	.7913	19.09.6	D	7 12 „
4	18.807	18.81	83.8	32.52	84.1	.0372	.7911	19.09.6	D	8 12 „
5	19.287	18.85	83.5	32.56	84.0	.0379	.7915	19.09.7	L	9 12 „
6	19.424	18.66	82.6	32.56	83.3	.0348	.7915	19.10.0	L	10 12 „
7	19.630	18.61	82.7	32.59	83.0	.0339	.7918	19.10.3	L	11 12 „
8	19.356	18.78	82.6	32.63	82.7	.0366	.7923	19.10.1	L	Midnight.
9	19.620	18.68	82.2	32.67	82.2	.0350	.7927	19.10.5	N	1 12 a. m.
10	19.620	19.70	82.0	32.69	82.0	.0354	.7929	19.10.5	N	2 12 „
11	19.424	18.85	81.8	32.71	82.0	.0379	.7932	19.10.3	N	3 12 „

DAILY OBSERVATIONS FROM 2ND TO 5TH OCTOBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
OCT. 2ND—12	19°21·8	18.85	81°6	32.75	81°7	8.0379	2.7936	19°10·5	N	4 12 a. m.
13	19.356	18.96	81.8	32.76	81.9	.0397	.7937	19.10.3	D	5 12 „
14	19.424	18.96	81.8	32.81	82.1	.0397	.7943	19.10.5	D	6 12 „
15	20.316	19.05	82.0	32.87	82.2	.0411	.7949	19.10.6	D	7 12 „
16	19.973	19.36	82.8	32.78	82.8	.0463	.7939	19.09.5	D	8 12 „
17	18.601	19.55	83.9	32.75	83.3	.0493	.7936	19.09.0	L	9 12 „
18	17.229	19.68	84.6	32.68	84.0	.0514	.7928	19.08.5	L	10 12 „
19	16.474	19.75	85.4	32.67	84.7	.0526	.7927	19.08.2	L	11 12 „
20	16.817	19.57	86.0	32.66	85.3	.0497	.7926	19.08.5	L	Noon.
21	17.641	19.38	86.4	32.75	85.8	.0465	.7936	19.09.3	N	1 12 p. m.
22	18.327	19.40	86.8	32.59	86.4	.0469	.7918	19.08.6	N	2 12 „
23	18.670	19.26	86.8	32.50	86.8	.0436	.7909	19.08.6	N	3 12 „
OCT. 3RD—Noon	19.013	19.12	86.1	32.47	86.2	.0424	.7905	19.08.7	N	4 12 „
1	18.807	19.07	85.3	32.39	86.4	.0415	.7897	19.08.4	D	5 12 „
2	18.464	19.11	85.0	32.44	86.2	.0421	.7902	19.08.5	D	6 12 „
3	18.670	18.99	84.7	32.47	85.6	.0401	.7905	19.09.0	D	7 12 „
4	18.601	18.87	84.3	32.45	85.1	.0383	.7903	19.09.2	D	8 12 „
5	18.944	18.89	84.0	32.48	84.8	.0385	.7906	19.09.1	L	9 12 „
6	18.944	18.90	83.9	32.49	84.7	.0387	.7907	19.09.2	L	10 12 „
7	19.150	19.01	83.6	32.51	84.3	.0414	.7910	19.09.1	L	11 12 „
8	19.013	19.00	83.4	32.52	84.1	.0403	.7911	19.09.2	L	Midnight.
9	19.013	19.06	83.3	32.52	84.0	.0413	.7911	19.09.1	N	1 12 a. m.
10	19.013	19.06	83.2	32.55	83.8	.0413	.7914	19.09.2	N	2 12 „
11	18.944	19.07	83.0	32.55	83.7	.0415	.7914	19.09.0	N	3 12 „
12	18.807	19.26	82.9	32.59	83.6	.0436	.7918	19.09.0	N	4 12 „
13	18.738	19.11	82.8	32.55	83.4	.0421	.7914	19.09.0	D	5 12 „
14	18.738	19.11	82.5	32.60	83.2	.0421	.7920	19.09.3	D	6 12 „
15	19.424	19.15	82.5	32.60	83.4	.0428	.7920	19.09.2	D	7 12 „
16	19.424	19.35	83.0	32.61	83.6	.0461	.7921	19.08.8	D	8 12 „
17	18.189	19.89	84.0	32.59	83.7	.0548	.7918	19.07.5	L	9 12 „
18	17.641	20.19	85.0	32.57	84.3	.0598	.7916	19.06.8	L	10 12 „
19	17.435	20.16	85.4	32.55	84.9	.0594	.7914	19.06.8	L	11 12 „
20	16.749	20.17	85.6	32.51	85.5	.0596	.7920	19.06.6	L	Noon.
21	16.886	20.09	86.1	32.48	86.0	.0581	.7906	19.06.7	N	1 12 p. m.
22	17.778	19.97	86.4	32.50	86.8	.0565	.7909	19.06.9	N	2 12 „
23	18.395	19.70	86.4	32.51	87.0	.0518	.7910	19.07.6	N	3 12 „
OCT. 5TH—Noon	18.944	18.49	86.9	32.45	88.4	.0319	.7903	19.09.9	D	4 12 „
1	18.875	18.53	86.1	32.42	87.3	.0325	.7900	19.09.7	D	5 12 „
2	19.013	18.46	85.3	32.40	86.7	.0315	.7898	19.09.7	D	6 12 „
3	19.150	18.33	85.1	32.39	86.2	.0293	.7896	19.10.0	D	7 12 „
4	19.287	18.27	84.9	32.43	85.9	.0284	.7901	19.10.4	D	8 12 „
5	19.150	18.37	84.9	32.49	85.8	.0301	.7907	19.10.4	L	9 12 „
6	19.424	18.37	84.8	32.52	85.7	.0301	.7911	19.10.5	L	10 12 „
7	19.356	18.43	84.5	32.50	85.4	.0309	.7909	19.10.3	L	11 12 „
8	19.150	18.77	84.4	32.51	85.3	.0366	.7910	19.09.6	L	Midnight.
9	19.630	18.60	84.0	32.55	85.0	.0338	.7914	19.10.1	N	1 12 a. m.
10	19.630	18.50	84.0	32.55	85.0	.0321	.7914	19.10.3	N	2 12 „
11	19.561	18.50	83.8	32.57	85.0	.0321	.7916	19.10.4	N	3 12 „
12	19.561	18.51	83.7	32.61	84.9	.0322	.7921	19.10.6	N	4 12 „
13	19.424	18.61	83.8	32.50	84.9	.0339	.7909	19.09.9	D	5 12 „
14	19.767	18.49	83.4	32.64	84.7	.0319	.7924	19.10.7	D	6 12 „
15	20.385	18.79	83.9	32.65	85.1	.0358	.7925	19.10.3	D	7 12 „
16	20.247	19.05	84.7	32.67	85.6	.0411	.7927	19.09.8	D	8 12 „
17	19.973	19.41	85.8	32.62	85.4	.0470	.7922	19.08.7	L	9 12 „
18	19.493	19.60	86.8	32.61	86.0	.0502	.7921	19.08.3	L	10 12 „
19	18.738	19.69	87.4	32.53	86.7	.0516	.7912	19.07.6	L	11 12 „
20	18.052	19.68	87.6	32.51	87.0	.0514	.7910	19.07.8	L	Noon.
21	18.258	19.59	88.0	32.49	87.4	.0499	.7907	19.07.8	N	1 12 p. m.
22	19.150	19.44	88.1	32.49	88.0	.0475	.7907	19.08.1	N	2 12 „
23	19.699	19.27	88.0	32.46	88.5	.0438	.7904	19.08.4	N	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°15′0. At 20h., Deflection Observations were taken; the Torsion of Small Declination was determined and found to be $1 + \frac{H}{F} = 1{\cdot}0016$.

DAILY OBSERVATIONS FROM 6TH TO 8TH OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 6th—Noon	19·767	19.16	88°0	32.41	88°8	8.0430	2.7899	19°08′3	N	4 12 p. m.
1	19.973	18.86	87.3	32.35	88.3	.0381	.7892	19.08.7	D	5 12 „
2	19.356	18.81	86.8	32.33	87.8	.0372	.7891	19.08.8	D	6 12 „
3	19.013	18.85	86.7	32.32	87.3	.0379	.7889	19.08.6	D	7 12 „
4	19.013	18.81	86.1	32.36	87.1	.0372	.7893	19.08.9	D	8 12 „
5	19.081	18.84	85.9	32.39	86.9	.0377	.7896	19.08.9	L	9 12 „
6	19.081	18.68	85.7	32.42	86.7	.0350	.7900	19.09.4	L	10 12 „
7	19.013	18.74	85.4	32.42	86.4	.0360	.7900	19.09.3	L	11 12 „
8	19.218	18.73	85.3	32.45	86.1	.0358	.7903	19.09.4	L	Midnight.
9	19.081	18.84	84.8	32.48	86.0	.0377	.7906	19.09.3	N	1 12 a. m.
10	19.081	18.74	84.2	32.50	85.8	.0360	.7909	19.09.6	N	2 12 „
11	18.944	18.74	84.0	32.55	85.5	.0360	.7904	19.09.4	N	3 12 „
12	18.944	18.68	83.8	32.56	85.2	.0350	.7905	19.09.6	N	4 12 „
13	18.327	18.64	83.7	32.65	85.1	.0344	.7925	19.10.6	D	5 12 „
14	19.013	18.23	82.9	32.64	84.8	.0276	.7924	19.11.3	D	6 12 „
15	19.630	18.74	83.2	32.65	85.1	.0360	.7925	19.10.3	D	7 12 „
16	19.699	18.92	84.1	32.66	85.3	.0391	.7926	19.09.9	D	8 12 „
17	19.356	19.36	85.3	32.62	85.2	.0463	.7922	19.08.8	L	9 12 „
18	18.738	19.64	86.5	32.58	86.0	.0508	.7907	19.07.7	L	10 12 „
19	18.258	19.69	87.1	32.56	86.8	.0516	.7905	19.07.4	L	11 12 „
20	17.984	19.60	87.8	32.52	87.2	.0502	.7901	19.07.5	L	Noon.
21	17.778	19.46	87.8	32.41	87.5	.0479	.7899	19.07.7	N	1 12 p. m.
22	18.875	19.36	88.0	32.54	88.0	.0463	.7903	19.08.1	N	2 12 „
23	19.356	19.50	88.0	32.48	88.5	.0485	.7906	19.07.8	N	3 12 „
Oct. 7th—Noon	19.767	19.25	87.8	32.46	88.8	.0434	.7900	19.08.4	N	4 12 „
1	19.699	19.19	87.2	32.35	88.3	.0434	.7892	19.08.0	D	5 12 „
2	19.356	19.07	86.8	32.29	87.9	.0415	.7885	19.07.9	D	6 12 „
3	18.670	18.91	86.3	32.32	87.3	.0388	.7889	19.08.4	D	7 12 „
4	18.944	18.81	86.0	32.36	87.1	.0372	.7890	19.08.9	D	8 12 „
5	18.875	18.89	85.9	32.44	87.0	.0385	.7902	19.08.9	L	9 12 „
6	19.081	18.85	85.5	32.48	86.7	.0379	.7906	19.09.3	L	10 12 „
7	19.013	18.97	85.4	32.47	86.4	.0399	.7905	19.09.0	L	11 12 „
8	19.287	18.97	85.3	32.51	86.3	.0399	.7910	19.09.2	L	Midnight.
9	19.356	18.92	85.0	32.50	86.0	.0391	.7909	19.09.2	N	1 12 a. m.
10	19.287	18.88	84.8	32.56	86.0	.0383	.7915	19.09.7	N	2 12 „
11	19.356	18.85	84.5	32.57	85.8	.0379	.7916	19.09.7	N	3 12 „
12	18.944	18.92	84.5	32.59	85.7	.0391	.7918	19.09.6	N	4 12 „
13	19.287	18.81	84.3	32.66	85.3	.0372	.7926	19.10.2	D	5 12 „
14	19.287	18.77	84.1	32.65	85.1	.0366	.7925	19.10.2	D	6 12 „
15	19.973	18.81	84.0	32.66	85.3	.0372	.7926	19.10.2	D	7 12 „
16	20.042	18.99	84.7	32.62	85.8	.0401	.7922	19.09.6	D	8 12 „
17	19.424	19.15	85.1	32.68	85.3	.0428	.7928	19.09.5	L	9 12 „
18	18.464	19.32	85.4	32.67	85.7	.0457	.7927	19.09.1	L	10 12 „
19	17.503	19.56	86.0	32.66	86.0	.0495	.7926	19.08.5	L	11 12 „
20	17.435	19.60	87.0	32.65	86.7	.0502	.7925	19.08.5	L	Noon.
21	18.532	19.52	87.3	32.67	87.0	.0489	.7927	19.08.7	N	1 12 p. m.
22	19.218	19.57	88.1	32.64	88.0	.0497	.7924	19.08.4	N	2 12 „
23	19.561	19.48	88.3	32.52	88.5	.0481	.7911	19.08.2	N	3 12 „
Oct. 8th—Noon	19.424	19.34	87.7	32.56	88.5	.0459	.7915	19.08.6	N	4 12 „
1	18.807	19.27	86.8	32.49	88.0	.0438	.7907	19.08.6	N	5 12 „
2	18.670	19.11	86.0	32.48	87.6	.0421	.7906	19.08.7	D	6 12 „
3	19.013	18.96	85.7	32.51	87.1	.0397	.7910	19.09.2	D	7 12 „
4	19.218	19.06	85.3	32.56	86.9	.0413	.7915	19 09.3	D	8 12 „
5	18.944	18.95	85.3	32.55	86.6	.0395	.7914	19.09.4	L	9 12 „
6	19.150	18.87	85.1	32.57	86.3	.0383	.7916	19.09.9	L	10 12 „
7	19.424	18.71	83.3	32.59	85.2	.0355	.7918	19.10.0	L	11 21 „
8	19.561	18.86	83.0	32.60	84.9	.0381	.7920	19.09.9	L	Midnight.
9	19.150	18.98	83.7	32.65	85.0	.0399	.7925	19.09.8	N	1 12 a. m.
10	19.081	19.01	83.7	32.65	85.0	.0414	.7925	19.09.7	N	2 12 „
11	18.944	19.11	83.8	32.65	84.9	.0421	.7925	19.09.5	N	3 12 „

On the 6th, at about 21h., Dip as obtained by Observation was 18°59′4.

DAILY OBSERVATIONS FROM 8TH TO 10TH OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 8th—12	18′670	19.03	83°4	32.72	84°1	8.0409	2.7933	19°10′0	D	4 12 a. m.
13	18.327	19.14	83.2	32.74	84.5	.0426	.7935	19.09.7	D	5 12 „
14	18.670	19.12	83.1	32.73	84.3	.0424	.7934	19.09.8	D	6 12 „
15	19.013	19.14	83.7	32.72	84.1	.0426	.7933	19.09.7	D	7 12 „
16	18.738	19.78	83.9	32.84	84.8	.0530	.7946	19.08.9	D	8 12 „
17	18.121	19.84	85.0	32.80	84.9	.0540	.7942	19.08.6	L	9 12 „
18	17.641	20.05	86.2	32.80	85.9	.0575	.7942	19.08.1	L	10 12 „
19	17.778	20.05	86.7	32.78	86.0	.0575	.7939	19.08.0	L	11 12 „
20	17.778	19.90	87.0	32.80	86.6	.0551	.7942	19.08.4	L	Noon.
21	18.052	19.91	87.3	32.81	87.0	.0552	.7943	19.08.5	N	1 12 p. m.
22	18.601	19.55	87.5	32.77	87.7	.0493	.7938	19.09.1	N	2 12 „
23	19.493	19.45	87.2	32.74	88.0	.0477	.7935	19.09.2	N	3 12 „
Oct. 9th—Noon	19.013	19.12	86.8	32.66	88.0	.0424	.7926	19.09.5	N	4 12 „
1	18.944	18.49	86.2	32.63	87.8	.0319	.7923	19.10.7	D	5 12 „
2	19.699	18.33	85.9	32.57	87.3	.0293	.7916	19.10.8	D	6 12 „
3	19.424	18.44	85.7	32.51	87.0	.0311	.7910	19.10.4	D	7 12 „
4	19.013	18.54	85.7	32.55	86.8	.0327	.7914	19.10.2	D	8 12 „
5	19.150	18.60	85.5	32.66	86.6	.0338	.7926	19.10.6	L	9 12 „
6	19.150	18.70	85.0	32.69	86.3	.0354	.7929	19.10.5	L	10 12 „
7	19.287	18.75	85.0	32.70	86.1	.0356	.7931	19.10.5	L	11 12 „
8	19.218	18.93	84.9	32.70	86.0	.0391	.7931	19.10.1	L	Midnight.
9	19.218	19.05	84.8	32.75	85.8	.0411	.7936	19.10.1	N	1 12 a. m.
10	19.218	19.12	84.5	32.77	85.7	.0424	.7938	19.10.0	N	2 12 „
11	18.875	19.11	84.3	32.77	85.5	.0421	.7938	19.10.0	N	3 12 „
12	19.081	19.11	84.3	32.81	85.3	.0421	.7943	19.10.2	N	4 12 „
13	18.738	18.95	84.2	32.80	85.1	.0395	.7942	19.10.4	D	5 12 „
14	18.670	19.09	84.7	32.85	85.3	.0417	.7947	19.10.4	D	6 12 „
15	19.287	19.03	84.6	32.87	85.8	.0407	.7949	19.10.6	D	7 12 „
16	19.973	19.27	85.1	32.89	86.2	.0438	.7951	19.10.3	D	8 12 „
17	19.630	19.51	85.0	32.86	85.9	.0486	.7948	19.09.5	L	9 12 „
18	18.875	19.68	87.1	32.84	86.6	.0514	.7948	19.09.2	L	10 12 „
19	18.052	19.72	87.7	32.81	87.0	.0542	.7943	19.08.9	L	11 12 „
20	17.366	19.75	88.5	32.80	87.5	.0526	.7942	19.08.7	L	Noon.
21	17.641	19.63	89.0	32.72	88.3	.0506	.7933	19.08.7	N	1 12 p. m.
22	18.532	19.50	89.5	32.77	89.0	.0485	.7938	19.09.1	N	2 12 „
23	19.561	19.28	89.3	32.73	89.2	.0438	.7934	19.09.6	N	3 12 „
Oct. 10th—Noon	19.150	19.16	89.0	32.64	89.3	.0430	.7924	19.09.3	N	4 12 „
1	18.327	18.97	88.1	32.63	89.2	.0399	.7923	19.09.7	D	5 12 „
2	18.395	18.95	87.5	32.56	88.7	.0395	.7915	19.09.4	D	6 12 „
3	18.807	18.95	87.2	32.55	88.3	.0395	.7914	19.09.3	D	7 12 „
4	19.424	18.75	86.7	32.53	87.7	.0362	.7912	19.09.7	D	8 12 „
5	19.424	18.81	86.0	32.60	86.8	.0372	.7920	19.10.0	L	9 12 „
6	19.356	18.88	85.8	32.61	86.1	.0383	.7921	19.09.9	L	10 12 „
7	19.699	18.85	85.3	32.68	85.9	.0379	.7928	19.10.2	L	11 12 „
8	19.493	18.95	85.0	32.69	85.6	.0395	.7929	19.09.0	L	Midnight.
9	19.424	19.00	84.7	32.74	85.4	.0403	.7935	19.10.2	N	1 12 a. m.
10	19.458	19.03	84.3	32.75	85.1	.0407	.7936	19.10.1	N	2 12 „
11	19.356	19.07	84.0	32.77	84.8	.0415	.7938	19.10.0	N	3 12 „
12	19.287	19.08	84.0	32.84	84.7	.0415	.7946	19.10.3	N	4 12 „
13	19.218	19.10	84.0	32.84	84.5	.0420	.7946	19.10.3	D	5 12 „
14	19.630	19.18	80.9	32.88	84.2	.0432	.7950	19.10.4	D	6 12 „
15	20.042	19.00	84.0	32.88	84.3	.0403	.7950	19.10.8	D	7 12 „
16	19.699	19.38	84.4	32.89	84.7	.0465	.7951	19.09.9	D	8 12 „
17	18.395	19.82	85.2	32.87	84.9	.0538	.7949	19.08.9	L	9 12 „
18	17.572	20.21	86.5	32.87	85.6	.0601	.7949	19.08.1	L	10 12 „
19	17.229	20.31	87.4	32.87	86.2	.0617	.7949	19.07.0	L	11 12 „
20	16.955	20.25	88.1	32.85	87.0	.0608	.7947	19.08.0	L	Noon.
21	17.572	20.08	88.7	32.78	87.5	.0579	.7939	19.08.0	N	1 12 p. m.
22	18.601	19.88	88.9	32.86	87.9	.0546	.7948	19.08.7	N	2 12 „
23	19.150	19.66	88.8	32.84	88.0	.0512	.7946	19.09.2	N	3 12 „

DAILY OBSERVATIONS FROM 12TH TO 14TH OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 12th-Noon	19'356	18.96	87°8	32.76	88°8	8.0397	2.7937	19°10'3	D	4 12 p. m.
1	20.042	18.34	86.2	32.74	88.1	.0295	.7930	19.11.5	D	5 12 ,,
2	19.973	17.52	85.6	32.71	87.0	.0165	.7932	19.13.0	D	6 12 ,,
3	20.247	17.14	85.2	32.70	86.7	.0087	.7931	19.14.0	D	7 12 ,,
4	19.973	17.81	84.8	32.77	86.3	.0207	.7938	19.12.8	D	8 12 ,,
5	19.493	18.07	84.5	32.78	86.0	.0252	.7939	19.12.2	L	9 12 ,,
6	19.424	18.34	84.1	32.79	85.4	.0301	.7940	19.11.7	L	10 12 ,,
7	19.767	18.44	83.8	32.83	85.0	.0311	.7945	19.11.8	L	11 12 ,,
8	19.630	18.55	83.7	32.86	84.7	.0329	.7948	19.11.6	L	Midnight.
9	19.561	18.78	83.7	32.89	84.8	.0366	.7951	19.11.2	N	1 12 a. m.
10	19.767	18.54	83.3	32.93	84.4	.0327	.7956	19.11.9	N	2 12 ,,
11	19.904	18.57	83.1	32.97	84.2	.0333	.7960	19.12.0	N	3 12 ,,
12	18.738	18.71	82.8	32.94	83.7	.0355	.7957	19.11.6	N	4 12 ,,
13	18.395	18.79	82.7	33.01	83.5	.0368	.7965	19.11.7	D	5 12 ,,
14	19.013	18.65	82.5	32.96	83.6	.0346	.7959	19.11.7	D	6 12 ,,
15	20.042	18.58	82.4	32.96	83.5	.0333	.7959	19.12.0	D	7 12 ,,
16	20.042	18.68	82.9	33.01	83.7	.0350	.7965	19.11.9	D	8 12 ,,
17	19.699	19.21	84.1	33.01	83.6	.0427	.7965	19.10.9	L	9 12 ,,
18	18.121	19.61	85.5	33.00	84.6	.0503	.7964	19.09.9	L	10 12 ,,
19	17.984	19.65	86.3	33.04	85.4	.0510	.7968	19.10.0	L	11 12 ,,
20	18.258	19.50	86.9	33.04	86.0	.0485	.7968	19.10.2	L	Noon.
21	18.532	19.32	87.1	33.07	86.3	.0457	.7971	19.10.7	N	1 12 p. m.
22	18.738	19.12	87.5	33.03	87.0	.0424	.7967	19.11.1	N	2 12 ,,
23	19.424	19.03	87.1	33.03	87.0	.0407	.7967	19.11.3	N	3 12 ,,
Oct. 13th-Noon	19.699	18.83	86.0	33.00	86.8	.0375	.7964	19.11.5	N	4 12 ,,
1	19.287	19.07	85.3	32.94	86.2	.0415	.7959	19.10.8	D	5 12 ,,
2	19.013	18.91	84.8	32.97	85.8	.0388	.7960	19.11.2	D	6 12 ,,
3	19.081	18.72	84.1	32.97	85.7	.0358	.7960	19.11.6	D	7 12 ,,
4	19.287	18.81	83.8	32.95	85.1	.0372	.7958	19.11.5	D	8 12 ,,
5	19.218	18.76	83.5	33.03	84.9	.0364	.7967	19.11.9	L	9 12 ,,
6	19.561	18.57	83.2	33.03	84.4	.0333	.7967	19.12.3	L	10 12 ,,
7	19.218	19.09	83.1	33.05	84.2	.0417	.7969	19.11.1	L	11 12 ,,
8	19.287	18.95	82.9	33.06	84.0	.0395	.7970	19.11.5	L	Midnight.
9	19.493	18.84	82.6	33.07	83.6	.0377	.7971	19.11.8	N	1 12 a. m.
10	19.424	18.87	82.2	33.10	83.4	.0383	.7975	19.12.0	N	2 12 ,,
11	19.150	18.87	82.1	33.10	83.2	.0383	.7975	19.12.0	N	3 12 ,,
12	18.875	18.85	82.0	33.11	83.0	.0379	.7976	19.12.0	N	4 12 ,,
13	18.807	18.85	82.0	33.09	83.0	.0379	.7973	19.11.9	D	5 12 ,,
14	18.944	18.74	81.7	33.13	82.8	.0360	.7978	19.12.3	D	6 12 ,,
15	20.042	18.79	81.7	33.10	82.7	.0368	.7975	19.12.1	D	7 12 ,,
16	19.904	19.06	82.3	33.19	83.1	.0413	.7984	19.11.9	D	8 12 ,,
17	20.179	19.59	83.5	33.17	83.1	.0499	.7982	19.10.6	L	9 12 ,,
18	19.150	19.92	84.6	33.17	84.0	.0555	.7982	19.09.8	L	10 12 ,,
19	18.670	20.10	85.8	33.16	84.8	.0576	.7981	19.09.6	L	11 12 ,,
20	17.984	19.91	86.0	33.18	85.0	.0552	.7983	19.10.0	L	Noon.
21	18.189	19.67	86.0	33.23	85.7	.0514	.7989	19.10.8	N	1 12 p. m.
22	18.944	19.61	86.1	33.18	86.0	.0493	.7983	19.10.8	N	2 12 ,,
23	19.767	19.37	86.0	33.19	86.2	.0465	.7984	19.11.1	N	3 12 ,,
Oct. 14th-Noon	20.042	19.20	85.5	33.19	86.2	.0426	.7984	19.11.6	N	4 12 ,,
1	19.424	19.17	85.3	33.18	86.0	.0422	.7983	19.11.7	D	5 12 ,,
2	19.287	18.93	83.9	33.21	85.4	.0391	.7987	19.12.2	D	6 12 ,,
3	19.424	18.82	83.1	33.19	84.7	.0375	.7984	19.12.3	D	7 12 ,,
4	19.493	18.81	82.8	33.12	84.1	.0372	.7977	19.12.2	D	8 12 ,,
5	19.218	18.86	82.6	33.13	83.8	.0381	.7978	19.12.1	L	9 12 ,,
6	19.013	18.86	82.6	33.16	83.6	.0381	.7981	19.12.2	L	10 12 ,,
7	19.218	18.79	82.1	33.18	83.2	.0368	.7983	19.12.4	L	11 12 ,,
8	19.699	18.76	81.9	33.19	83.0	.0364	.7984	19.12.5	L	Midnight.
9	19.218	18.82	81.6	33.21	82.8	.0375	.7987	19.12.5	N	1 12 a. m.
10	19.287	18.92	81.3	33.24	82.5	.0391	.7990	19.12.3	N	2 12 ,,
11	19.630	18.82	81.0	33.27	82.2	.0375	.7993	19.12.7	N	3 12 ,,

On the 13th, at about 19h., Dip as obtained by Observation was 18°56'2.

DAILY OBSERVATIONS FROM 14TH TO 16TH OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	′									h. m.
Oct. 14th - 12	19·424	18.67	80°1	33.27	81°6	8.0350	2.7993	19°13′1	N	4 12 a. m.
13	19.356	18.76	79.8	33.25	81.5	.0364	.7991	19.12.8	D	5 12 „
14	19.013	18.95	80.0	33.24	81.3	.0395	.7990	19.12.3	D	6 12 „
15	20.385	19.14	80.2	33.30	81.5	.0409	.7997	19.12.5	D	7 12 „
16	20.385	19.47	81.1	33.26	81.9	.0481	.7994	19.11.4	D	8 12 „
17	20.042	19.84	82.4	33.24	82.0	.0540	.7990	19.10.5	L	9 12 „
18	19.150	20.13	83.9	33.22	83.0	.0588	.7988	19.09.7	L	10 12 „
19	18.052	20.17	85.1	33.22	84.0	.0596	.7988	19.09.6	L	11 12 „
20	17.298	20.10	85.7	33.22	84.6	.0584	.7988	19.09.9	L	Noon.
21	17.572	19.76	85.8	33.27	85.0	.0528	.7993	19.10.7	N	1 12 p. m.
22	18.738	19.47	85.8	33.27	85.5	.0481	.7993	19.11.4	N	2 12 „
23	19.424	19.27	85.3	33.27	85.8	.0438	.7993	19.11.9	N	3 12 „
Oct. 15th-Noon	19.904	18.91	84.8	33.25	85.8	.0388	.7991	19.12.4	N	4 12 „
1	19.493	18.85	84.0	33.21	85.2	.0379	.7987	19.12.5	D	5 12 „
2	19.630	18.62	83.1	33.19	84.7	.0342	.7984	19.12.8	D	6 12 „
3	19.424	18.76	82.8	33.14	84.2	.0364	.7979	19.12.3	D	7 12 „
4	19.150	18.82	82.1	33.11	83.8	.0375	.7976	19.12.0	D	8 12 „
5	19.013	18.85	81.7	33.12	83.0	.0379	.7977	19.12.1	L	9 12 „
6	19.424	18.89	81.1	33.14	83.0	.0385	.7979	19.11.9	L	10 12 „
7	19.973	18.93	80.7	33.12	82.4	.0391	.7977	19.11.9	L	11 12 „
8	19.150	19.12	80.8	33.11	82.2	.0424	.7976	19.11.4	L	Midnight.
9	19.356	18.91	80.8	33 06	82.0	.0388	.7970	19.11.6	N	1 12 a. m.
10	19.493	19.12	80.8	33.07	81.6	.0424	.7971	19.11.2	N	2 12 „
11	19.630	18.86	80.8	33.13	81.5	.0381	.7978	19.12.1	N	3 12 „
12	19.904	18.81	80.0	33.13	81.0	.0372	.7978	19.12.2	N	4 12 „
13	19.699	18.79	79.7	33.07	80.8	.0368	.7971	19.11.9	D	5 12 „
14	19.699	18.77	79.1	33.17	80.5	.0366	.7982	19.12.3	D	6 12 „
15	20.728	19.08	79.4	33.22	80.7	.0415	.7988	19.11.9	D	7 12 „
16	20.728	19.64	80.7	33.19	81.3	.0508	.7984	19.10.6	D	8 12 „
17	19.630	20.11	81.9	33.23	81.8	.0585	.7989	19.09.7	L	9 12 „
18	18.258	20.31	83.0	33.23	82.6	.0617	.7989	19.09.3	L	10 12 „
19	17.366	20.34	84.4	33.26	83.3	.0622	.7992	19.09.4	L	11 12 „
20	17.160	20.25	84.9	33.32	83.9	.0608	.7999	19.09.9	N	Noon.
21	17.778	19.91	84.8	33.38	84.1	.0552	.8005	19.10.9	N	1 12 p. m.
22	18.532	19.69	84.8	33.44	84.7	.0516	.8012	19.11.6	N	2 12 „
23	19.287	19.47	84.6	33.45	85.0	.0481	.8013	19.12.2	N	3 12 „
Oct. 16th-Noon	19.630	19.25	84.0	33.40	85.0	.0434	.8008	19.12.6	N	4 12 „
1	19.013	19.11	83.1	33.39	84.7	.0421	.8006	19.12.6	D	5 12 „
2	18.738	19.07	82.8	33.33	84.3	.0415	.8000	19.12.4	D	6 12 „
3	19.013	18.97	82.6	33.31	83.8	.0399	.7998	19.12.6	D	7 12 „
4	19.013	18.98	82.4	33.31	83.5	.0399	.7998	19.12.6	D	8 12 „
5	19.493	18.89	81.8	33.32	83.0	.0385	.7999	19.12.7	L	9 12 „
6	19.630	18.79	81.2	33.28	82.7	.0368	.7994	19.12.8	L	10 12 „
7	19.836	18.81	80.7	33.27	82.2	.0372	.7993	19.12.8	L	11 12 „
8	19.630	19.03	80.5	33.24	82.0	.0417	.7990	19.12.0	L	Midnight.
9	19.424	19.00	80.8	33.25	81.8	.0413	.7991	19.12.2	N	1 12 a. m.
10	19.561	18.89	80.8	33.24	81.4	.0385	.7990	19.12.4	N	2 12 „
11	19.493	18.98	80.6	33.24	81.3	.0399	.7990	19.12.3	N	3 12 „
12	19.493	18.95	80.4	33.24	81.3	.0395	.7990	19.12.3	N	4 12 „
13	19.356	18.94	79.7	33.23	81.1	.0393	.7989	19.12.3	D	5 12 „
14	19.081	18.90	79.0	33.27	80.8	.0387	.7993	19.12.5	D	6 12 „
15	19.904	19.05	79.0	33.23	80.9	.0411	.7989	19.12.1	D	7 12 „
16	19.836	19.43	79.9	33.23	81.1	.0473	.7989	19.11.3	D	8 12 „
17	19.699	19.91	81.1	33.20	81.3	.0552	.7986	19.10.1	L	9 12 „
18	19.150	20.17	82.4	33.18	82.1	.0596	.7983	19.09.4	L	10 12 „
19	18.258	20.36	83.9	33.19	83.0	.0626	.7984	19.09.0	L	11 12 „
20	16.817	20.32	84.8	33.20	84.0	.0622	.7986	19.09.2	L	Noon.
21	17.915	20.14	85.2	*19.30	85.0	.0590	.8002	19.10.2	N	1 12 p. m.
22	18.875	19.87	85.5	19.46	85.2	.0546	.8019	19.11.4	N	2 12 „
23	19.493	19.71	85.3	19.58	85.8	.0519	.8032	19.12.3	N	3 12 „

On the 16th, at about 19h., Dip as obtained by Observation was 18°40·0.

* The Vertical Force Magnetometer was adjusted at 21h. G. M. T.; the axle of the Magnet was cleaned of corrosion, and necessary adjustments performed; the box of the instrument closed, and the adjustment completed at 21h. 30m.

DAILY OBSERVATIONS FROM 17TH TO 20TH OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 17th-Noon	19°493	19.52	85°0	19.47	85°8	8.0489	2.8020	19°12′3	N	4 12 p. m.
1	19.493	19.23	83.9	19.40	85.1	.0430	.8013	19.12.8	D	5 12 ,,
2	19.356	19.09	83.4	19.34	84.6	.0417	.8006	19.12.6	D	6 12 ,,
3	18.944	19.05	83.2	19.33	84.2	.0411	.8005	19.12.8	D	7 12 ,,
4	19.013	19.03	82.9	19.31	83.8	.0407	.8005	19.12.7	D	8 12 ,,
5	19.013	19.14	83.0	19.51	83.7	.0426	.8025	19.13.3	L	9 12 ,,
6	19.218	19.11	82.9	19.61	83.5	.0421	.8036	19.13.8	L	10 12 ,,
7	19.287	19.05	82.6	19.68	83.2	.0411	.8043	19.14.3	L	11 12 ,,
8	19.287	19.01	82.2	19.76	83.0	.0404	.8052	19.14.7	L	Midnight.
9	19.424	19.00	81.9	19.81	82.8	.0403	.8058	19.15.0	L	1 12 a. m.
10	19.424	18.95	81.6	19.82	82.3	.0395	.8059	19.15.0	N	2 12 ,,
11	19.424	18.98	81.5	19.87	82.3	.0399	.8064	19.15.1	N	3 12 ,,
12	19.287	19.01	81.4	19.92	82.2	.0404	.8070	19.15.4	N	4 12 ,,
13	19.287	19.01	81.1	19.96	82.1	.0404	.8074	19.15.5	D	5 12 ,,
14	19.150	19.11	80.8	20.06	81.9	.0421	.8085	19.15.7	D	6 12 ,,
15	19.630	19.25	80.5	20.15	81.8	.0434	.8095	19.16.0	D	7 12 ,,
16	19.699	19.58	80.9	20.11	82.0	.0497	.8091	19.14.9	D	8 12 ,,
17	19.287	19.98	82.0	20.05	82.2	.0563	.8084	19.13.8	L	9 12 ,,
18	18.601	20.29	83.4	19.97	83.1	.0664	.8075	19.12.9	L	10 12 ,,
19	18.052	20.36	84.5	20.04	84.0	.0626	.8083	19.12.9	L	11 12 ,,
20	17.984	20.25	85.3	20.09	84.8	.0608	.8088	19.13.4	L	Noon.
21	18.327	19.93	85.5	20.05	85.0	.0555	.8084	19.13.8	N	1 12 p. m.
22	18.875	19.71	85.2	20.14	85.3	.0519	.8094	19.14.7	N	2 12 ,,
23	19.287	19.34	85.1	20.07	85.7	.0461	.8086	19.15.2	N	3 12 ,,
Oct. 19th-Noon	19.013	19.65	86.0	20.60	87.0	.0510	.8145	19.17.0	D	4 12 ,,
1	19.081	19.56	84.8	20.87	85.8	.0495	.8174	19.18.1	D	5 12 ,,
2	18.875	19.47	83.7	20.96	85.2	.0481	.8184	19.18.8	D	6 12 ,,
3	18.944	19.25	83.3	20.89	84.8	.0434	.8176	19.19.1	D	7 12 ,,
4	19.356	19.21	82.8	21.03	84.3	.0427	.8192	19.19.7	D	8 12 ,,
5	19.356	19.09	82.1	21.21	83.5	.0417	.8212	19.20.6	N	9 12 ,,
6	19.287	19.26	82.0	21.32	83.4	.0436	.8224	19.20.9	L	10 12 ,,
7	19.150	19.19	81.7	21.44	83.0	.0424	.8237	19.21.7	L	11 12 ,,
8	19.081	19.23	81.5	21.53	82.8	.0430	.8247	19.22.0	L	Midnight.
9	19.424	19.15	81.1	21.68	82.4	.0424	.8263	19.22.6	N	1 12 a. m.
10	19.150	19.17	80.8	21.91	82.2	.0422	.8289	19.23.6	N	2 12 ,,
11	18.807	19.26	80.8	21.92	82.0	.0436	.8290	19.23.5	N	3 12 ,,
12	18.807	19.32	80.7	22.02	82.0	.0457	.8301	19.23.6	N	4 12 ,,
13	19.013	19.36	80.3	21.97	81.8	.0461	.8295	19.23.4	D	5 12 ,,
14	19.013	19.25	80.2	22.17	81.9	.0434	.8317	19.24.7	D	6 12 ,,
15	18.944	19.54	80.7	22.38	81.9	.0491	.8343	19.24.8	D	7 12 ,,
16	19.561	19.87	81.6	22.23	82.1	.0546	.8324	19.23.3	D	8 12 ,,
17	18.670	20.11	82.7	22.10	82.5	.0585	.8310	19.22.3	L	9 12 ,,
18	17.435	20.28	84.0	22.07	83.0	.0612	.8306	19.21.9	L	10 12 ,,
19	16.612	20.40	84.9	22.14	84.0	.0633	.8314	19.21.9	L	11 12 ,,
20	17.092	20.23	84.8	22.37	84.3	.0604	.8339	19.23.3	L	Noon.
21	17.572	19.88	84.8	22.46	84.8	.0546	.8349	19.24.3	N	1 12 p. m.
22	19.013	19.26	84.8	22.61	85.0	.0436	.8366	19.26.3	N	2 12 ,,
23	19.150	19.02	84.3	22.41	85.2	.0411	.8344	19.26.0	N	3 12 ,,
Oct. 20th-Noon	19.699	18.97	83.8	22.27	85.0	.0399	.8328	19.25.5	N	4 12 ,,
1	19.493	18.61	82.8	22.14	84.5	.0339	.8314	19.25.7	D	5 12 ,,
2	19.287	18.77	82.1	22.12	83.9	.0366	.8312	19.25.2	D	6 12 ,,
3	19.699	18.71	81.3	22.11	83.5	.0355	.8311	19.25.3	D	7 12 ,,
4	19.699	18.56	80.8	22.19	82.9	.0331	.8319	19.26.0	D	8 12 ,,
5	19.973	18.80	80.5	22.41	82.2	.0371	.8344	19.26.5	L	9 12 ,,
6	19.424	18.80	80.3	22.49	82.0	.0371	.8352	19.26.8	L	10 12 ,,
7	19.630	18.88	80.2	22.57	81.7	.0383	.8361	19.27.0	L	11 12 ,,
8	19.493	18.83	80.0	22.66	81.4	.0375	.8369	19.27.3	L	Midnight.
9	19.630	19.02	79.9	22.84	81.2	.0407	.8391	19.27.8	N	1 12 a. m.
10	19.630	18.98	79.8	22.93	81.0	.0399	.8401	19.28.3	N	2 12 ,,
11	19.287	18.92	79.6	23.01	81.0	.0391	.8410	19.28.8	N	3 12 ,,

On the 19th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 20TH TO 22ND OCTOBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 20th—12	19·218	18.97	79·7	23.19	80·9	8.0399	2.8429	19°29′4	N	4 12 a. m.
13	19.013	18.90	79.5	23.22	80.6	.0387	.8433	19.29.7	D	5 12 „
14	19.218	18.86	79.3	23.36	80.4	.0381	.8448	19.30.5	D	6 12 „
15	20.110	19.01	79.8	23.42	80.5	.0404	.8455	19.30.5	D	7 12 „
16	19.973	19.34	80.7	23.43	80.9	.0459	.8456	19.29.7	D	8 12 „
17	18.943	19.65	82·0	23.16	81.4	.0510	.8426	19.27·9	L	9 12 „
18	18.121	19.69	83.0	23.19	82.3	.0516	.8429	19.27.8	L	10 12 „
19	17.915	19.66	83.0	23.27	82.6	.0514	.8438	19.28.4	L	11 12 „
20	18.189	19.59	83.6	23.41	83.0	.0499	.8454	19.29.2	L	Noon.
21	18.807	19.37	83.6	23.50	83.4	.0465	.8464	19.29.8	N	1 12, p. m.
22	19.493	19.24	84.0	23.50	84.0	.0432	.8464	19.30.3	N	2 12 „
23	20.042	19.15	83.8	23.44	84.6	.0428	.8457	19.30.2	N	3 12 „
Oct. 21st-Noon	19.699	19.04	83.2	23.24	84.8	.0409	.8435	19.29.6	N	4 12 „
1	19.356	18.80	82.5	23.23	84.2	.0371	.8434	19.30.0	D	5 12 „
2	19.287	18.76	81.8	23.21	83.5	.0364	.8432	19.30.0	D	6 12 „
3	19.013	18.79	81.7	23.09	83.1	.0368	.8408	19.29.0	D	7 12 „
4	19.287	18.72	81.1	23.19	82.8	.0358	.8429	19.29.9	D	8 12 „
5	19.287	18.76	80.9	23.28	82.0	.0364	.8439	19.30.3	L	9 12 „
6	19.287	18.66	80.7	23.34	81.9	.0348	.8446	19.30.7	L	10 12 „
7	19.356	18.91	80.6	23.45	81.7	.0388	.8458	19.30.7	L	11 12 „
8	19.081	19.01	80.3	23.48	81.4	.0404	.8461	19.30.6	L	Midnight.
9	19.150	18.98	80.0	23.64	81.2	.0399	.8479	19.31.3	N	1 12 a. m.
10	19.081	19.09	80.0	23.71	81.0	.0417	.8487	19.31.4	N	2 12 „
11	19.081	19.05	79.8	23.75	80.9	.0411	.8491	19.31.7	N	3 12 „
12	19.013	19.08	79.7	23.84	80.7	.0415	.8501	19.31.9	N	4 12 „
13	19.013	19.15	79.5	23.92	80.5	.0428	.8510	19.32.2	D	5 12 „
14	19.630	18.97	79.1	24.01	80.3	.0399	.8520	19.33.0	D	6 12 „
15	19.973	19.04	79.7	24.02	80.7	.0409	.8521	19.32.9	D	7 12 „
16	19.973	19.41	80.8	24.04	81.2	.0470	.8523	19.32.2	D	8 12 „
17	18.464	19.68	81.9	23.65	81.1	.0514	.8480	19.30.0	L	9 12 „
18	17.641	19.83	82.4	23.74	82.0	.0538	.8490	19.30.0	L	10 12 „
19	17.709	20.07	83.0	23.81	82.3	.0577	.8498	19.29.8	L	11 12 „
20	17.984	20.05	83.5	23.97	83.0	.0575	.8515	19.30.5	L	Noon.
21	18.601	19.90	83.5	24.02	83.0	.0551	.8521	19.31.0	N	1 12 p. m.
22	19.013	19.67	83.9	24.02	84.2	.0514	.8521	19.31.6	N	2 12 „
23	19.561	19.40	83.7	23.94	84.6	.0469	.8512	19.31.7	N	3 12 „
Oct. 22nd-Noon	19.424	19.38	83.4	23.83	84.4	.0465	.8500	19.31.3	N	4 12 „
1	19.287	19.51	82.5	23.61	83.8	.0486	.8476	19.30.0	D	5 12 „
2	18.327	19.56	81.8	23.70	83.2	.0495	.8486	19.30.3	D	6 12 „
3	19.699	18.47	81.1	23.83	82.8	.0317	.8500	19.33.2	D	7 12 „
4	20.247	18.15	81.0	23.67	82.3	.0264	.8432	19.33 2	D	8 12 „
5	19.836	18.07	80.7	23.82	82.0	.0252	.8499	19.34.0	L	9 12 „
6	20.110	18.06	80.5	23.99	81.7	.0250	.8517	19.34.8	L	10 12 „
7	20.042	18.93	80.1	24.04	81.4	.0391	.8523	19.33.2	L	11 12 „
8	20.316	18.80	79.9	24.11	81.0	.0371	.8531	19.33.8	L	Midnight.
9	20.522	18.52	79.7	24.23	81.0	.0325	.8514	19.34.8	N	1 12 a. m.
10	19.287	18.78	79.7	24.12	80.8	.0366	.8532	19.33.8	N	2 12 „
11	19.904	18.40	79.5	24.34	80.6	.0305	.8556	19.35.6	N	3 12 „
12	18.258	19.38	79.5	24.34	80.5	.0465	.8556	19.33.5	N	4 12 „
13	19.424	18.84	79.7	24.51	80.3	.0377	.8575	19.35.4	D	5 12 „
14	19.630	18.79	79.7	24.51	80.2	.0368	.8575	19.35.5	D	6 12 „
15	19.424	18.93	79.9	24.53	80.9	.0391	.8577	19.35.3	D	7 12 „
16	19.424	19.29	80.7	24.39	81.2	.0440	.8561	19.34.0	D	8 12 „
17	19.424	19.55	82.0	24.38	81.1	.0493	.8560	19.33.3	L	9 12 „
18	19.493	19.51	83.1	24.38	82.0	.0486	.8560	19.33.3	L	10 12 „
19	19.013	19.40	83.5	24.42	82.5	.0469	.8565	19.33.8	L	11 12 „
20	19.356	19.25	83.7	24.50	83.0	.0434	.8574	19.34.6	L	Noon.
21	19.356	19.00	84.0	24.50	83.4	.0403	.8574	19.35.0	N	1 12 p. m.
22	19.836	18.96	84.2	24.41	84.0	.0364	.8564	19.35.1	N	2 12 „
23	20.415	18.39	84.2	24.49	84.5	.0311	.8572	19.36.1	N	3 12 „

On the 20th, at about 19h., Dip as obtained by Observation was 18°42′2.

133491

DAILY OBSERVATIONS FROM 23RD TO 27TH OCTOBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	'									h. m.
OCT. 23RD-Noon	20'659	18.33	83°5	24.28	84°4	8.0293	2.8549	19°35'5	N	4 12 p. m.
1	20.179	18.21	82.8	24.12	83.9	.0273	.8532	19.35.1	D	5 12 ,,
2	20.042	17,96	81.8	24.15	83.3	.0214	.8535	19.36.1	D	6 12 ,,
3	20.796	18.62	81.1	24.28	82.7	.0342	.8549	19.34.9	D	7 12 ,,
4	21.071	18.15	81.0	24.27	82.4	.0264	.8548	19.35.9	D	8 12 ,,
5	20.042	18.15	80.7	24.32	81.9	.0264	.8554	19.36.1	L	9 12 ,,
6	19.561	18.58	80.5	24.53	81.8	.0333	.8577	19.36.1	L	10 12 ,,
7	19.630	18.63	80.2	24.57	81.4	.0342	.8581	19.36.1	L	11 12 ,,
8	19.630	18.57	80.0	24.64	81.2	.0333	.8580	19.36.5	L	Midnight.
9	18.670	18.97	79.8	24.59	81.0	.0399	.8583	19.35.3	N	1 12 a. m.
10	18.738	18.80	79.7	24.66	80.8	.0371	.8591	19.36.1	N	2 12 ,,
11	19.493	18.84	79.6	24.92	80.7	.0377	.8598	19.36.3	N	3 12 ,,
12	19.493	18.77	79.6	24.82	80.6	.0366	.8609	19.36.8	N	4 12 ,,
13	19.081	18.59	79.2	24.81	80.2	.0335	.8603	19.37.2	D	5 12 ,,
14	19.630	18.76	79.3	24.95	80.1	.0364	.8623	19.37.5	D	6 12 ,,
15	19.218	18.79	79.7	24.86	80.3	.0368	.8613	19.37.0	D	7 12 ,,
16	19.493	18.98	80.4	24.82	80.7	.0399	.8609	19.36.4	D	8 12 ,,
17	19.699	19.22	81.9	24.85	81.0	.0430	.8612	19.36.1	L	9 12 ,,
18	18.670	19.30	82.9	24.60	82.0	.0453	.8585	19.34.8	L	10 12 ,,
19	17.984	19.25	83.9	24.70	82.8	.0434	.8596	19.35.5	L	11 12 ,,
20	17.366	19.22	84.0	24.67	83.0	.0430	.8592	19.35.3	L	Noon.
21	17.915	19.15	84.0	24.90	83.4	.0428	.8618	19.36.4	N	1 12 p. m.
22	18.807	19.10	84.2	24.88	84.0	.0420	.8615	19.36.4	N	2 12 ,,
23	19.150	19.00	84.0	24.81	84.2	.0403	.8608	19.36.4	N	3 12 ,,
OCT. 24TH-Noon	19.561	18.92	83.5	24.74	84.6	.0391	.8600	19.36.2	N	4 12 ,,
1	19.287	18.85	82.5	24.62	83.9	.0379	.8587	19.35.9	D	5 12 ,,
2	19.356	18.76	81.8	24.60	83.2	.0364	.8585	19.36.0	D	6 12 ,,
3	19.356	18.69	81.2	24.58	82.8	.0352	.8582	19.35.9	D	7 12 ,,
4	19.424	18.60	81.0	24.57	82.4	.0338	.8581	19.31.1	D	8 12 ,,
5	19.630	18.58	80.6	24.76	82.0	.0333	.8602	19.37.0	L	9 12 ,,
6	19.630	18.56	80.3	24.79	81.7	.0331	.8605	19.37.2	L	10 12 ,,
7	19.836	18.57	80.1	24.84	81.3	.0333	.8611	19.37.4	L	11 12 ,,
8	19.836	18.74	79.8	25.03	81.0	.0360	.8632	19.37.8	L	Midnight.
9	20.110	18.65	79.3	24.80	80.6	.0346	.8607	19.37.0	N	1 12 a. m.
10	20.110	18.69	79.2	25.02	80.3	.0352	.8631	19.37.9	N	2 12 ,,
11	19.699	18.85	79.3	25.07	80.2	.0379	.8636	19.37.8	N	3 12 ,,
12	19.699	18.86	79.1	25.20	80.1	.0381	.8651	19.38.4	N	4 12 ,,
13	19.356	18.87	79.1	25.10	80.0	.0381	.8640	19.38.0	D	5 12 ,,
14	19.699	18.95	79.0	25.20	80.1	.0395	.8651	19.38.1	D	6 12 ,,
15	19.767	19.04	79.7	25.26	80.3	.0409	.8657	19.38.3	D	7 12 ,,
16	20.247	19,31	80.3	25.27	80.7	.0454	.8658	19.37.7	D	8 12 ,,
17	19.561	19.61	81.7	25.17	81.0	.0503	.8647	19.36.7	L	9 12 ,,
18	18.944	19.61	83.0	25.11	82.0	.0503	.8641	19.36.4	L	10 12 ,,
19	18.601	19.68	83.0	25.05	82.2	.0514	.8634	19.36.0	L	11 12 ,,
20	18.189	19.57	83.3	25.01	82.9	.0497	.8630	19.36.0	L	Noon.
21	18.670	19.46	83.8	25.28	83.3	.0479	.8659	19.37.4	N	1 12 p. m.
22	19.218	19.37	84.0	25.31	83.8	.0455	.8663	18.37.7	N	2 12 ,,
23	19.699	19.36	83.9	25.18	84.2	.0453	.8648	19.37.3	N	3 12 ,,
OCT. 27TH-Noon	19.630	19.27	86.1	25.23	87.1	.0438	.8652	19.37.6	D	4 12 ,,
1	19.356	19.35	85.0	25.25	86.8	.0460	.8656	19.37.5	D	5 12 ,,
2	19.424	19.23	84.4	25.14	86.3	.0432	.8644	19.37.4	D	6 12 ,,
3	19.218	19.18	83.9	25.06	85.4	.0432	.8635	19.37.1	D	7 12 ,,
4	19.013	19.07	83.1	25.14	84.6	.0415	.8644	19.37.5	D	8 12 ,,
5	19.218	19.08	82.7	25.27	83.8	.0415	.8658	19.38.1	L	9 12 ,,
6	19.424	19.15	82.3	25.37	83.5	.0428	.8669	19.38.3	L	10 12 ,,
7	19.493	19.23	82.6	25.39	83.5	.0430	.8671	19.38.4	L	11 12 ,,
8	19.493	19.23	82.6	25.43	83.4	.0430	.8677	19.38.7	L	Midnight.
9	19.493	19.24	82.3	25.52	83.0	.0432	.8686	19.39.0	N	1 12 a. m.
10	19.218	19.16	81.9	25.55	83.0	.0430	.8689	19.39.1	N	2 12 ,,
11	19.218	19.29	81.6	25.78	82.6	.0440	.8714	19.40.0	N	3 12 ,,

On the 23rd, at about 19h., Dip as obtained by Observation was 18°52'2.
On the 24th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 27TH TO 29TH OCTOBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. + Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. + In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
OCT. 27TH—12	18°07	19.31	81°5	25.78	82°5	8.0454	2.8714	19°39'8	N	4 12 a. m.
13	18.875	19.31	81.1	25.82	82.3	.0454	.8719	19.40.0	D	5 12 „
14	18.327	19.47	81.1	25.87	82.2	.0481	.8724	19.39.9	D	6 12 „
15	18.738	19.24	81.7	25.87	82.4	.0432	.8724	19.40.5	D	7 12 „
16	19.424	19.62	82.1	25.83	82.8	.0506	.8720	19.39.4	D	8 12 „
17	20.110	19.84	83.6	25 [illegible]	82.9	.0540	.8719	19.38.9	L	9 12 „
18	19.767	20.10	84.7	25.70	83.4	.0584	.8706	19.37.9	L	10 12 „
19	19.493	20.14	85.6	25.68	84.3	.0590	.8703	19.37.6	L	11 12 „
20	19.767	19.94	86.1	25.86	85.0	.0557	.8723	19.38.8	L	Noon.
21	19.630	19.69	86.2	25.90	85.5	.0516	.8728	19 39.5	N	1 12 p. m.
22	19.150	19.57	86.5	25.74	86.0	.0497	.8710	19.39.1	N	2 12 „
23	19.287	19.49	86.7	25.75	86.4	.0483	.8711	19.39.4	N	3 12 „
OCT. 28TH—Noon	19.493	19.32	86.0	25.70	86.6	.0457	.8706	19.39.4	N	4 12 „
1	19. [illegible]	19.11	85.3	25.18	85.9	.0421	.8684	19.37.7	D	5 12 „
2	18.941	19.11	84.3	25.16	85.2	.0421	.8646	19.37.6	D	6 12 „
3	19.2s7	19.03	83.9	25.35	85.0	.0407	.8667	19.38.6	D	7 12 „
4	19.218	19.01	83.8	25.44	84.8	.0404	.8677	19.39.1	D	8 12 „
5	19.356	19.02	83.4	25.45	84.2	.0407	.8678	19.39.0	L	9 12 „
6	19.356	19.13	83.0	25.47	84.0	.0424	.8680	19.39.9	L	10 12 „
7	19 424	19.13	82.5	25.96	83.7	.0424	.8690	19.39.3	L	11 12 „
8	19.356	19.21	82.3	25.62	83.2	.0427	.8697	19.39.5	L	Midnight.
9	19.356	19.31	82.3	25.69	83.0	.0454	.8704	19.39.4	N	1 12 a. m.
10	19.218	19.33	82.0	25.74	83.0	.0457	.8710	19.39.6	N	2 12 „
11	19.150	19.21	81.8	25.83	82.8	.0427	.8720	19.40.4	N	3 12 „
12	19.218	19.17	81.3	25.83	82.5	.0432	.8720	19.40.4	N	4 12 „
13	18.738	19.25	81.0	25.87	82.3	.0434	.8724	19.40.5	D	5 12 „
14	17.984	19.31	81.0	25.97	82.2	.0454	.8735	19.40.7	D	6 12 „
15	18.670	19.32	81.1	26.12	82.3	.0454	.8752	19.41.3	D	7 12 „
16	19.287	19.56	81.8	26.07	82.4	.0495	.8746	19.40.5	D	8 12 „
17	19.287	19.87	83.0	26.01	82.4	.0546	.8740	19.39.6	L	9 12 „
18	18.875	19.96	84.6	25.94	83.4	.0561	.8732	19.39.1	L	10 12 „
19	18.738	20.03	85.3	25.90	84.0	.0571	.8728	19.38.9	L	11 12 „
20	19.287	19.95	85.5	25.92	84.6	.0559	.8730	19.39.1	L	Noon.
21	19.150	19.87	86.0	25.93	85.1	.0546	.8731	19 39.2	N	1 12 p. m.
22	19.081	19.74	86.2	25.92	86.0	.0524	.8730	19.39.6	N	2 12 „
23	19.424	19.57	85.8	25.88	86.0	.0497	.8725	19.39.7	N	3 12 „
OCT. 29TH—Noon	19.767	19.42	85.4	25.80	86.0	.0473	.8717	19.39.8	N	4 12 „
1	19.150	19.37	84.0	25.65	85.1	.0415	.8700	19.39.1	N	5 12 „
2	19.013	19.20	83.4	25.62	84.5	.0426	.8697	19.39.5	N	6 12 „
3	19.013	19.00	83.3	25.62	84.0	.0403	.8697	19.39.9	N	7 12 „
4	19.287	19.05	82.7	25.65	83.7	.0411	.8698	19.39.8	N	8 12 „
5	19.561	19.03	81.8	25.67	83.1	.0407	.8702	19.39.9	L	9 12 „
6	19.836	18.97	81.1	25.79	82.9	.0399	.8715	19.40.6	L	10 12 „
7	19.904	18.94	80.4	25.82	82.3	.0392	.8719	19.40.8	L	11 12 „
8	19.218	19.20	80.9	25.88	82.2	.0426	.8725	19.40.6	L	Midnight.
9	19.356	19.04	80.5	25.90	81.8	.0409	.8728	19.41.0	N	1 12 a. m.
10	19.630	18.86	79.5	26.00	81.2	.0381	.8739	19.41.8	N	2 12 „
11	19.356	18.90	79.0	26.03	80.9	.0387	.8742	19.41.7	N	3 12 „
12	19.013	19.04	79.2	26.22	80.8	.0409	.8763	19.41.3	D	4 12 „
13	19.493	19.40	79.0	26.21	80.3	.0469	.8762	19.41.4	D	5 12 „
14	19.013	18.91	78.8	26.20	80.1	.0388	.8761	19.42.4	D	6 12 „
15	20.316	19.06	78.8	26.21	80.2	.0413	.8762	19.42.2	D	7 12 „
16	20.728	19.36	79.3	26.22	80.5	.0463	.8763	19.41.6	D	8 12 „
17	20.179	19.80	80.6	26.22	80.6	.0534	.8763	19.40.7	L	9 12 „
18	19.561	20.13	82.4	26.04	81.4	.0588	.8743	19.39.2	L	10 12 „
19	18.738	20.08	83.4	25.94	82.4	.0579	.8732	19.38.9	L	11 12 „
20	18.395	20.11	84.0	26.09	83.0	.0585	.8743	19.39.4	L	Noon.
21	18.738	19.80	84.0	26.21	83.5	.0534	.8762	19.40.6	D	1 12 p. m.
22	19.424	19.69	84.5	26.22	84.0	.0516	.8763	19.40.8	D	2 12 „
23	19.561	19.62	84.6	26.15	84.4	.0506	.8755	19.40.8	D	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°11'6.

DAILY OBSERVATIONS FROM 30TH OCTOBER TO 2ND NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Oct. 30th-Noon	19°356	19.35	83°5	26.08	84°0	8.0461	2.8747	19°41'1	N	4 12 p. m.
1	19.013	19.14	82.7	25.96	83.8	.0426	.8734	19.40.9	D	5 12 „
2	19.081	19.03	82.4	26.05	83.1	.0409	.8744	19.41.6	D	6 12 „
3	19.287	19.09	82.2	25.94	82.9	.0417	.8732	19.40.9	D	7 12 „
4	19.630	19.06	81.8	25.98	82.8	.0413	.8736	19.41.3	D	8 12 „
5	19.630	19.00	81.4	26.17	82.4	.0403	.8757	19.42.3	L	9 12 „
6	19.561	19.01	80.9	26.18	82.0	.0404	.8758	19.42.3	L	10 12 „
7	19.424	19.03	80.4	26.21	81.7	.0407	.8762	19.42.2	L	11 12 „
8	20.042	18.95	80.0	26.24	81.3	.0395	.8765	19.42.5	L	Midnight.
9	19.904	19.03	79.8	26.29	81.2	.0407	.8770	19.42.6	N	1 12 a. m.
10	19.630	19.04	79.5	26.36	80.9	.0409	.8777	19.42.9	N	2 12 „
11	19.081	19.18	79.8	26.42	80.8	.0432	.8785	19.42.9	N	3 12 „
12	19.287	19.17	79.8	26.50	80.7	.0432	.8794	19.43.2	N	4 12 „
13	19.013	19.22	79.6	26.52	80.5	.0400	.8796	19.43.3	D	5 12 „
14	18.807	19.30	79.5	26.41	80.3	.0453	.8784	19.42.5	D	6 12 „
15	17.287	19.34	79.7	26.52	80.6	.0469	.8776	19.42.0	D	7 12 „
16	19.836	19.50	79.5	26.47	80.7	.0485	.8770	19.41.5	D	8 12 „
17	19.493	19.82	79.6	26.33	80.0	.0538	.8769	19.40.8	L	9 12 „
18	19.013	20.16	80.6	26.27	80.5	.0594	.8763	19.40.1	L	10 12 „
19	18.327	20.31	82.5	26.24	81.9	.0617	.8765	19.09.6	L	11 12 „
20	18.464	20.08	83.3	26.30	82.6	.0579	.8772	19.40.4	L	Noon.
21	18.738	19.89	83.8	26.41	83.0	.0548	.8784	19.41.2	N	1 12 p. m.
22	19.287	19.70	83.8	26.50	83.2	.0518	.8794	19.42.0	N	2 12 „
23	19.527	19.61	83.9	26.43	83.8	.0501	.8786	19.42.0	N	3 12 „
Oct. 31st-Noon	19.356	19.49	83.5	26.33	83.8	.0483	.8775	19.41.9	N	4 12 „
1	19.218	19.36	82.8	26.21	83.7	.0463	.8762	19.41.5	D	5 12 „
2	19.287	19.34	82.2	26.20	83.2	.0459	.8761	19.41.5	D	6 12 „
3	19.356	19.37	82.1	26.24	82.9	.0465	.8765	19.41.6	D	7 12 „
4	19.493	19.15	81.8	26.28	82.8	.0428	.8769	19.42.2	D	8 12 „
5	19.630	19.14	81.6	26.32	82.3	.0426	.8774	19.42 4	L	9 12 „
6	19.630	19.09	81.4	26.41	82.2	.0417	.8784	19.42.9	L	10 12 „
7	19.767	19.23	81.7	26.42	82.2	.0432	.8785	19.42.9	L	11 12 „
8	19.699	19.21	81.6	26.44	82.1	.0427	.8787	19.43.0	L	Midnight.
9	19.493	19.20	81.6	26.46	82.1	.0440	.8789	19.42.9	L	1 12 a. m.
10	19.356	19.08	81.4	26.48	82.0	.0438	.8791	19.43.0	N	2 12 „
11	19.013	19.44	81.2	26.48	82.0	.0475	.8791	19.42.5	N	3 12 „
12	18.738	19.43	81.1	26.41	81.9	.0473	.8784	19.42.3	D	4 12 „
13	18.738	19.43	80.9	26 40	81.8	.0473	.8783	19.42.3	D	5 12 „
14	18.875	19.36	80.3	26 45	81 7	.0463	.8788	19.42.6	D	6 12 „
15	19.424	19.55	80.5	26.64	81.3	.0493	.8809	19.43.0	D	7 12 „
16	19.973	19.75	81.0	26.55	81.7	.0526	.8799	19.42.1	D	8 12 „
17	19.424	20.03	82.2	26.24	81.9	.0579	.8765	19.40.2	L	9 12 „
18	18.807	20.28	83.6	26.15	82.6	.0612	.8755	19.39.5	L	10 12 „
19	18.327	20.47	84.6	26.23	83.3	.0645	.8764	19.39.1	L	11 12 „
20	18.807	20.28	85.3	26.41	84.0	.0612	.8784	19.40.5	L	Noon.
21	19.699	20.06	85.8	26.47	85.0	.0577	.8790	19.41.2	N	1 12 p. m.
22	20.385	19.86	86.2	26.44	85.5	.0544	.8787	19.41.6	N	2 12 „
23	19.390	19.75	86.4	26.26	86.0	.0526	.8769	19.40.9	N	3 12 „
Nov. 2nd-Noon	19.630	19.78	86.8	26.23	87.0	.0530	.8764	19.40.7	N	4 12 „
1	19.150	19.59	85.5	26.08	86.0	.0499	.8747	19.40 6	N	5 12 „
2	19.287	19.29	84.8	26.17	85.6	.0440	.8757	19.41.3	N	6 12 „
3	19.767	19.17	84.2	26.29	85.0	.0432	.8770	19.42.3	N	7 12 „
4	19.424	19.07	83.7	26.29	84.7	.0415	.8770	19.42·4	N	8 12 „
5	19.287	19.30	83.5	26.29	84.2	.0453	.8770	19.42.0	L	9 12 „
6	19.356	19.39	83.4	26.37	84.0	.0467	.8779	19.42.1	L	10 12 „
7	19.356	19.37	83.3	26.40	83.9	.0465	.8783	19.42.3	L	11 12 „
8	19.561	19.23	83.2	26.46	83.8	.0430	.8789	19.43.0	L	Midnight.
9	19.424	19.19	83.2	26.40	83 8	.0434	.8792	19.43.1	C	1 12 a. m.
10	19.013	19.24	82.9	26.52	83.4	.0442	.8796	19.43.2	C	2 12 „
11	19.287	19.26	82.4	26.68	83.2	.0436	.8813	19.43.9	C	3 12 „

On the 31st, at about 21h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 2ND TO 4TH NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Nov. 2ND—12	19°013	19.30	82°2	26.64	83°1	8.0453	2.8809	19°43′5	C	4 12 a. m.
13	18.601	19.30	82.5	26.68	82.6	.0453	.8813	19.43.7	N	5 12 „
14	18.464	19.31	82.5	26.78	82.5	.0453	.8824	19.44.0	N	6 12 „
15	18.944	19.35	82.4	26.81	82.1	.0461	.8828	19.44.2	N	7 12 „
16	19.150	19.56	82.9	26.78	82.5	.0495	.8824	19.43.5	N	8 12 „
17	18.532	19.93	83.8	26.62	83.0	.0555	.8807	19.42.1	L	9 12 „
18	17.641	20.32	85.1	26.50	84.0	.0620	.8794	19.40.7	L	10 12 „
19	17.229	20.18	85.6	26.67	84.4	.0596	.8862	19.41.7	L	11 12 „
20	17.984	20.00	86.0	26.92	84.8	.0567	.8840	19.43.3	L	Noon.
21	18.738	19.82	86.2	26.89	85.3	.0538	.8836	19.43.5	C	1 12 p. m.
22	19.493	19.58	86.4	26.79	86.0	.0477	.8825	19.43.6	C	2 12 „
23	19.767	19.45	86.5	26.62	86.3	.0477	.8807	19.42.3	C	3 12 „
Nov. 3RD—Noon	20.042	19.06	86.0	26.54	86.3	.0413	.8798	19.43.7	C	4 12 „
1	19.493	19.07	85.0	26.40	85.8	.0415	.8783	19.42.9	N	5 12 „
2	19.287	19.10	84.5	26.46	85.2	.0420	.8789	19.43.0	N	6 12 „
3	19.150	19.15	84.2	26.44	84.8	.0428	.8787	19.43.0	N	7 12 „
4	19.287	19.11	84.0	26.50	84.7	.0421	.8794	19.43.3	N	8 12 „
5	19.356	19.09	84.0	26.54	84.5	.0417	.8798	19.43.5	L	9 12 „
6	19.424	19.01	83.9	26.57	84.3	.0413	.8801	19.43.8	L	10 12 „
7	19.904	18.99	83.7	26.63	84.2	.0401	.8808	19.44.2	L	11 12 „
8	20.316	18.70	83.5	26.68	84.1	.0354	.8813	19.45.0	L	Midnight.
9	21.071	18.93	83.3	26.90	84.0	.0391	.8838	19.45.5	C	1 12 a. m.
10	19.836	19.10	83.0	26.87	83.9	.0420	.8834	19.44.9	C	2 12 „
11	19.443	19.17	84.9	26.84	83.7	.0402	.8831	19.44.7	C	3 12 „
12	19.424	19.16	83.0	26.84	83.4	.0430	.8831	19.44.7	C	4 12 „
13	19.218	19.09	83.0	26.88	83.2	.0417	.8835	19.45.0	N	5 12 „
14	19.150	19.15	82.8	26.92	83.2	.0428	.8840	19.45.1	N	6 12 „
15	19.356	19.18	82.9	26.85	83.2	.0432	.8832	19.44.7	N	7 12 „
16	19.493	19.40	83.7	26.76	83.6	.0469	.8822	19.43 8	N	8 12 „
17	18.944	19.67	84.8	26.65	84.0	.0514	.8810	19.42.9	L	9 12 „
18	18.944	19.83	86.0	26.63	85.1	.0538	.8808	19.42.4	L	10 12 „
19	18.532	20.00	87.0	26.65	86.2	.0567	.8810	19.42.1	L	11 12 „
20	18.944	20.03	87.9	26.72	87.1	.0571	.8818	19.42.4	L	Noon.
21	19.287	19.93	88.5	26.63	87.7	.0555	.8808	19.42.1	C	1 12 p. m.
22	19.836	19.65	88.0	26.51	87.8	.0510	.8795	19.42.3	C	2 12 „
23	19.904	19.57	87.7	26.37	87.8	.0497	.8779	19.41.7	C	3 12 „
Nov. 4TH—Noon	19.424	19.41	86.9	26.15	87.5	.0470	.8755	19.41.3	C	4 12 „
1	18.807	19.32	85.8	26.09	87.0	.0457	.8748	19.41.1	N	5 12 „
2	19.013	19.21	85.4	26.15	86.2	.0427	.8758	19.41.9	N	6 12 „
3	19.081	19.05	85.0	26.18	86.0	.0411	.8758	19.42.2	N	7 12 „
4	19.081	19.11	84.8	26.27	85.6	.0421	.8768	19.42.3	N	8 12 „
5	19.081	19.09	84.3	26.30	85.3	.0417	.8772	19.42.4	L	9 12 „
6	19.356	19.12	84.0	26.35	85.0	.0424	.8777	19.42.7	L	10 12 „
7	19.493	19.18	84.0	26.37	84.7	.0432	.8779	19.42.6	L	11 12 „
8	19.561	19.22	83.9	26.38	84.4	.0430	.8780	19.42.7	L	Midnight.
9	19.630	19.23	83.7	26.44	84.4	.0430	.8787	19.43.0	C	1 12 a. m.
10	19.287	19.30	83.6	26.44	84.4	.0453	.8787	19.42.7	C	2 12 „
11	19.287	19.30	83.3	26.46	84.2	.0453	.8789	19.42.7	C	3 12 „
12	18.944	19.32	83.0	26.49	83.8	.0457	.8792	19.42.7	C	4 12 „
13	18.738	19.46	82.8	26.51	83.5	.0479	.8795	19.42.7	N	5 12 „
14	18.670	19.46	82.4	26.59	83.0	.0479	.8803	19.43.0	N	6 12 „
15	18.944	19.39	82.5	26.71	83.0	.0467	.8817	19.43.7	N	7 12 „
16	18.670	19.69	83.3	26.60	83.4	.0516	.8805	19.42.5	N	8 12 „
17	18.670	19.97	84.5	26.46	84.0	.0563	.8789	19.41.3	L	9 12 „
18	18.395	20.27	85.7	26.39	84.8	.0612	.8781	19.40.4	L	10 12 „
19	18.258	20.23	86.7	26.42	85.7	.0604	.8785	19.40.7	L	11 12 „
20	19.150	19.98	87.2	26.48	86.1	.0563	.8781	19.41.0	L	Noon.
21	19.973	19.69	87.0	26.53	86.5	.0516	.8797	19.42.2	C	1 12 p. m.
22	20.247	19.58	87.0	26.43	86.9	.0497	.8786	19.42.0	C	2 12 „
23	19.767	19.48	86.8	26.38	86.9	.0481	.8780	19.42.1	C	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°06′3. The fixed Meridian Mark observed and gave the Reading little short of the value obtained on the 26th of September; the time of one Vibration of the Large Magnets was also observed.

DAILY OBSERVATIONS FROM 5TH TO 7TH NOVEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	'									h. m.
Nov. 5TH—Noon	19'424	19.43	86°0	26.24	86°8	8.0473	2.8769	19°41'7	C	4 12 p. m.
1	19.287	19.24	85.3	26.18	86.0	.0432	.8758	19.41.9	N	5 12 "
2	19.218	18.97	84.8	26.20	86.0	.0399	.8761	19.42.3	N	6 12 "
3	19.630	18.60	84.2	26.26	85.2	.0338	.8767	19.43.4	N	7 12 "
4	20.042	18.20	83.8	26.25	85.0	.0272	.8766	19.44.2	N	8 12 "
5	19.493	18.52	83.8	26.08	84.8	.0325	.8747	19.42.8	L	9 12 "
6	19.287	18.88	83.7	26.20	84.7	.0383	.8761	19.42.6	L	10 12 "
7	19.218	18.82	83.3	26.33	84.3	.0375	.8775	19.43.2	L	11 12 "
8	19.356	18.91	83.0	26.27	84.0	.0388	.8768	19.42.7	L	Midnight.
9	19.081	18.96	82.9	26.48	83.9	.0397	.8791	19.43.5	C	1 12 a. m.
10	19.150	18.92	82.9	26.56	83.8	.0391	.8800	19.44.0	C	2 12 "
11	19.356	18.96	82.5	26.56	83.6	.0397	.8800	19.43.9	C	3 12 "
12	19.287	18.96	82.0	26.58	83.3	.0397	.8812	19.44.3	C	4 12 "
13	19.081	19.00	81.8	26.74	83.0	.0403	.8820	19.44.7	N	5 12 "
14	18.670	19.18	81.7	26.71	82.8	.0432	.8817	19.44.2	N	6 12 "
15	18.875	19.23	81.9	26.72	82.8	.0432	.8818	19.44.2	N	7 12 "
16	18.875	19.51	82.8	26.69	83.0	.0486	.8814	19.43.2	N	8 12 "
17	19.013	19.77	84.0	26.67	83.4	.0530	.8812	19.42.6	L	9 12 "
18	18.670	20.04	85.5	26.61	84.4	.0573	.8806	19.41.9	L	10 12 "
19	18.327	20.07	86.3	26.55	85.1	.0579	.8799	19.41.5	L	11 12 "
20	18.601	19.89	86.4	26.67	85.5	.0548	.8812	19.42.3	L	Noon.
21	18.875	19.54	86.5	26.55	86.0	.0491	.8799	19.42.6	C	1 12 p. m.
22	19.218	19.34	86.7	26.48	86.5	.0459	.8791	19.42.7	C	2 12 "
23	19.424	19.25	86.9	26.40	86.8	.0434	.8783	19.42.8	C	3 12 "
Nov. 6TH—Noon	19.424	19.22	86.1	26.30	86.6	.0430	.8772	19.42.3	N	4 12 "
1	19.287	19.14	85.2	26.18	86.0	.0426	.8758	19.41.9	N	5 12 "
2	19.218	19.12	84.8	26.23	85.6	.0424	.8764	19.42.1	N	6 12 "
3	19.287	18.99	84.2	26.25	85.0	.0401	.8766	19.42.5	N	7 12 "
4	19.561	18.93	83.8	26.26	84.8	.0391	.8767	19.42.7	N	8 12 "
5	19.424	18.89	83.2	26.28	84.5	.0385	.8769	19.42.7	L	9 12 "
6	19.630	18.97	82.9	26.32	84.1	.0399	.8774	19.42.8	L	10 12 "
7	19.356	19.16	83.0	26.37	84.1	.0430	.8779	19.42.6	L	11 12 "
8	19.287	19.20	83.5	26.40	84.1	.0426	.8783	19.42.8	L	Midnight.
9	19.356	19.22	83.5	26.43	84.1	.0430	.8786	19.42.9	C	1 12 a. m.
10	19.218	19.18	83.1	26.40	84.0	.0432	.8783	19.42.8	C	2 12 "
11	19.287	19.10	82.8	26.51	83.8	.0420	.8795	19.43.4	C	3 12 "
12	19.013	19.06	82.3	26.49	83.8	.0413	.8782	19.43.0	C	4 12 "
13	19.356	19.02	81.5	26.49	83.0	.0407	.8782	19.43.0	N	5 12 "
14	19.150	19.04	81.2	26.57	83.0	.0409	.8801	19.43.8	N	6 12 "
15	19.184	19.17	81.6	26.68	82.6	.0432	.8813	19.44.0	N	7 12 "
16	19.836	19.52	82.3	26.58	82.8	.0489	.8802	19.42.7	N	8 12 "
17	19.767	19.80	84.0	26.62	83.3	.0534	.8807	19.42.5	L	9 12 "
18	19.630	20.03	85.3	26.47	84.1	.0571	.8790	19.41.3	L	10 12 "
19	19.424	20.07	86.3	26.39	85.2	.0579	.8781	19.40.8	L	11 12 "
20	19.424	20.10	87.3	26.36	86.6	.0584	.8778	19.40.7	L	Noon.
21	20.042	19.75	88.0	26.30	87.2	.0526	.8772	19.41.0	C	1 12 p. m.
22	19.904	19.76	88.5	26.09	87.8	.0528	.8748	19.40.2	C	2 12 "
23	19.493	19.58	88.3	25.98	88.1	.0497	.8736	19.40.1	C	3 12 "
Nov. 7TH—Noon	19.561	19.23	87.6	25.91	88.0	.0430	.8729	19.40.7	C	4 12 "
1	19.493	19.09	86.6	25.73	87.0	.0417	.8709	19.40.0	N	5 12 "
2	19.356	18.98	85.9	25.75	86.6	.0399	.8711	19.40.4	N	6 12 "
3	19.356	18.71	85.2	25.89	86.2	.0355	.8726	19.41.5	N	7 12 "
4	19.424	19.01	85.0	25.88	85.9	.0404	.8725	19.41.0	N	8 12 "
5	19.493	18.78	84.9	25.90	85.5	.0366	.8728	19.41.5	L	9 12 "
6	19.493	18.82	84.7	25.96	85.3	.0375	.8734	19.41.6	L	10 12 "
7	19.356	19.19	84.5	25.98	85.2	.0434	.8736	19.41.0	L	11 12 "
8	19.904	19.07	84.1	26.09	85.0	.0415	.8748	19.41.6	L	Midnight.
9	19.904	18.97	83.8	26.09	84.8	.0399	.8746	19.41.8	C	1 12 a. m.
10	19.767	19.01	83.1	26.13	84.2	.0404	.8753	19.42.1	C	2 12 "
11	19.150	19.10	83.0	26.20	84.0	.0420	.8761	19.42.0	C	3 12 "

On the 6th, at about 18h., Dip as obtained by Observation was 19°07'8.

DAILY OBSERVATIONS FROM 7TH TO 10TH NOVEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
Nov. 7TH—12	19°081	19.26	82°9	26.25	83°8	8.0436	2.8766	19°42'0	C	4 12 a. m.
13	18.807	18.87	82.1	26.28	83.2	.0383	.8769	19.42.9	N	5 12 „
14	18.498	19.03	81.8	26.40	83.0	.0407	.8783	19.43.1	N	6 12 „
15	19.281	19.18	81.8	26.61	82.5	.0432	.8806	19.43.7	N	7 12 „
16	19.561	19.57	83.0	26.59	83.0	.0497	.8803	19.42.7	N	8 12 „
17	19.767	19.97	84.5	26.54	83.8	.0563	.8798	19.41.7	L	9 12 „
18	19.836	20.10	85.8	26.44	84.7	.0584	.8787	19.41.1	L	10 12 „
19	19.630	20.02	86.6	26.46	85.3	.0571	.8789	19.41.2	L	11 12 „
20	19.836	19.89	87.0	26.50	85.9	.0548	.8794	19.41.6	L	Noon.
21	19.904	19.71	87.1	26.46	86.4	.0529	.8789	19.41.7	C	1 12 p. m.
22	20.247	19.56	87.5	26.45	87.0	.0495	.8788	19.42.1	C	2 12 „
23	20.247	19.35	87.7	26.42	87.5	.0461	.8785	19.42.5	C	3 12 „
Nov. 9TH—Noon	19.013	19.65	87.3	26.27	88.0	.0510	.8768	19.41.2	C	4 12 „
1	19.013	19.54	86.4	26.11	87.0	.0491	.8751	19.40.8	C	5 12 „
2	19.287	19.34	85.5	26.31	86.4	.0459	.8773	19.42.0	C	6 12 „
3	19.356	19.27	85.1	26.25	86.1	.0438	.8766	19.42.0	C	7 12 „
4	19.493	19.24	85.0	26.33	86.0	.0432	.8775	19.42.5	C	8 12 „
5	19.424	19.19	84.6	26.32	85.7	.0434	.8774	19.42.4	L	9 12 „
6	19.561	19.23	84.0	26.36	85.4	.0432	.8778	19.42.6	L	10 12 „
7	20.179	19.26	83.3	26.40	85.0	.0436	.8783	19.42.7	L	11 12 „
8	19.630	19.30	83.4	26.42	84.8	.0453	.8785	19.42.6	L	Midnight.
9	20.042	19.28	82.9	26.48	84.4	.0438	.8791	19.43.0	C	1 12 a. m.
10	19.904	19.16	82.4	26.53	84.0	.0430	.8797	19.43.4	C	2 12 „
11	19.561	19.03	81.9	26.55	83.4	.0407	.8799	19.43.7	C	3 12 „
12	19.287	19.15	81.0	26.64	83.0	.0428	.8809	19.43.8	C	4 12 „
13	19.013	19.16	80.9	26.67	82.4	.0430	.8812	19.43.9	N	5 12 „
14	18.944	19.34	80.7	26.76	82.1	.0459	.8822	19.43.9	N	6 12 „
15	18.738	19.35	80.6	27.06	82.0	.0442	.8855	19.45.6	N	7 12 „
16	19.424	19.62	81.5	27.07	82.2	.0506	.8856	19.44.7	N	8 12 „
17	19.561	20.04	83.0	26.96	82.8	.0573	.8844	19.43.4	L	9 12 „
18	19.630	20.30	84.5	26.88	83.7	.0616	.8835	19.42.4	L	10 12 „
19	19.630	20.40	85.5	26.91	84.4	.0633	.8839	19.42.4	L	11 12 „
20	19.630	20.32	86.5	27.06	85.3	.0620	.8856	19.43.2	L	Noon.
21	20.042	20.10	86.9	27.04	86.0	.0584	.8853	19.43.7	C	1 12 p. m.
22	19.699	19.79	87.0	26.90	86.7	.0532	.8838	19.43.7	C	2 12 „
23	19.493	19.67	87.1	26.87	87.0	.0514	.8843	19.43.8	C	3 12 „
Nov. 10TH—Noon	19.493	19.55	86.0	26.27	86.8	.0493	.8768	19.41.4	C	4 12 „
1	19.013	19.73	85.8	26.63	86.0	.0522	.8808	19.42.6	N	5 12 „
2	19.356	19.46	83.8	26.64	84.8	.0479	.8809	19.43.2	N	6 12 „
3	19.561	19.34	83.2	26.71	84.0	.0469	.8817	19.43.7	N	7 12 „
4	19.630	19.41	82.7	26.89	83.7	.0470	.8836	19.44.4	N	8 12 „
5	19.767	19.30	82.3	26.83	80.4	.0453	.8830	19.44.4	L	9 12 „
6	19.630	19.32	81.6	26.94	83.0	.0457	.8842	19.44.7	L	10 12 „
7	20.179	18.96	80.6	27.06	82.3	.0397	.8855	19.46.1	L	11 12 „
8	20.522	18.79	80.4	27.03	82.0	.0368	.8852	19.46.3	L	Midnight.
9	20.659	18.94	80.2	27.16	82.0	.0393	.8866	19.46.5	C	1 12 a. m.
10	20.110	19.11	80.4	27.04	81.7	.0421	.8853	19.45.7	C	2 12 „
11	19.443	19.16	80.0	27.04	81.2	.0430	.8853	19.45.6	C	3 12 „
12	19.218	19.24	79.6	27.20	80.9	.0432	.8871	19.46.2	C	4 12 „
13	19.081	19.28	79.5	27.24	80.6	.0438	.8875	19.46.3	N	5 12 „
14	18.429	19.40	79.4	27.26	80.2	.0469	.8877	19.46.0	N	6 12 „
15	19.081	19.44	79.7	27.49	80.2	.0475	.8902	19.46.8	N	7 12 „
16	19.287	19.36	80.8	27.37	80.6	.0463	.8889	19.46.5	N	8 12 „
17	19.013	19.99	82.0	27.39	81.2	.0565	.8891	19.45.3	L	9 12 „
18	18.944	20.23	83.1	27.31	82.0	.0694	.8883	19.44.5	L	10 12 „
19	19.287	20.35	84.3	27.29	82.9	.0624	.8880	19.44.1	L	11 12 „
20	19.493	20.25	85.4	27.27	84.0	.0608	.8878	19.44.2	L	Noon.
21	19.424	20.04	86.5	27.23	85.4	.0573	.8875	19.44.6	C	1 12 p. m.
22	19.561	19.98	87.5	27.19	86.0	.0563	.8869	19.44.4	C	2 12 „
23	20.110	19.59	86.5	27.19	86.0	.0499	.8869	19.45.2	C	3 12 „

On the 7th, at about 23h., Deflection Observations were taken.
On the 10th, at about 19h., Dip as obtained by Observation was 18°56'4.

DAILY OBSERVATIONS FROM 11TH TO 13TH NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Nov. 11TH-Noon	19°699	19.42	85°5	27.03	85°7	8.0473	2.8852	19°450	C	4 12 p. m.
1	18.875	19.37	84.1	27.94	84.8	.0465	.8842	19.44.7	N	5 12 „
2	18.944	19.11	83.2	27.11	83.8	.0421	.8861	19.45.9	N	6 12 „
3	19.493	19.15	82.6	27.18	83.2	.0428	.8868	19.46.1	N	7 12 „
4	19.767	19.03	82.2	27.24	83.0	.0407	.8875	19.46.7	N	8 12 „
5	19.767	18.97	81.2	27.31	82.4	.0399	.8883	19.47.1	L	9 12 „
6	20.110	18.92	80.3	27.36	82.0	.0391	.8888	19.47.4	L	10 12 „
7	20.179	18.87	79.8	27.43	81.4	.0383	.8896	19.47.9	L	11 12 „
8	20.247	19.10	79.9	27.44	81.0	.0420	.8897	19.47.4	L	Midnight.
9	20.590	19.26	79.5	27.52	80.8	.0436	.8906	19.47.5	C	1 12 a. m.
10	20.385	19.17	79.4	27.60	80.3	.0432	.8915	19.48.0	C	2 12 „
11	20.247	19.27	79.4	27.66	80.3	.0438	.8921	19.48.1	C	3 12 „
12	19.904	19.36	79.3	27.70	80.0	.0463	.8926	19.48.0	C	4 12 „
13	19.356	19.16	79.0	27.75	80.0	.0430	.8931	19.48.6	N	5 12 „
14	19.150	19.34	78.8	27.71	79.8	.0459	.8927	19.48.1	N	6 12 „
15	19.767	19.35	79.0	27.79	79.8	.0461	.8935	19.48.4	N	7 12 „
16	20.042	19.61	79.9	27.78	79.9	.0503	.8934	19.47.8	N	8 12 „
17	19.904	19.82	81.2	27.64	80.2	.0538	.8919	19.46.7	L	9 12 „
18	19.904	20.06	82.7	27.49	81.2	.0577	.8912	19.45.9	L	10 12 „
19	19.767	20.14	84.0	27.42	82.4	.0590	.8895	19.45.1	L	11 12 „
20	20.316	19.95	85.0	27.44	83.4	.0559	.8897	19.45.6	L	Noon.
21	20.316	20.10	86.0	27.41	84.9	.0584	.8894	19.45.2	C	1 12 p. m.
22	20.247	20.00	86.7	27.40	85.9	.0567	.8893	19.45.3	C	2 12 „
23	19.836	19.95	87.5	27.38	86.8	.0559	.8890	19.45.3	C	3 12 „
Nov. 12TH-Noon	19.424	19.67	86.7	27.23	86.0	.0514	.8874	19.45.3	C	4 12 „
1	19.013	19.41	85.0	27.25	85.0	.0470	.8876	19.45.9	N	5 12 „
2	19.493	19.33	83.0	27.26	84.0	.0457	.8877	19.46.1	N	6 12 „
3	19.561	19.22	82.8	27.42	83.2	.0430	.8895	19.47.2	N	7 12 „
4	19.904	19.09	81.8	27.48	82.8	.0417	.8901	19.47.5	N	8 12 „
5	19.836	19.11	81.1	27.52	82.2	.0421	.8906	19.47.7	L	9 12 „
6	20.316	19.18	80.3	27.56	81.9	.0432	.8910	19.47.8	L	10 12 „
7	19.767	19.37	80.5	27.53	81.3	.0465	.8907	19.47.2	L	11 12 „
8	20.110	19.23	80.4	27.71	81.1	.0430	.8927	19.48.5	L	Midnight.
9	20.899	19.08	80.2	27.76	81.1	.0415	.8932	19.48.7	C	1 12 a. m.
10	19.801	19.20	80.2	27.80	81.0	.0426	.8937	19.48.9	C	2 12 „
11	19.630	19.18	79.8	27.86	80.7	.0432	.8943	19.49.1	C	3 12 „
12	20.385	19.21	79.2	27.91	80.2	.0427	.8949	19.49.3	C	4 12 „
13	19.150	19.35	79.2	28.00	80.0	.0461	.8959	19.49.3	N	5 12 „
14	18.875	19.32	78.8	28.04	79.8	.0457	.8963	19.49.4	N	6 12 „
15	19.287	19.51	78.9	27.98	79.4	.0486	.8956	19.48.8	N	7 12 „
16	19.767	19.79	79.8	28.11	79.8	.0532	.8971	19.48.8	N	8 12 „
17	19.973	20.10	80.9	27.99	80.2	.0584	.8957	19.47.8	L	9 12 „
18	19.699	20.28	82.2	27.87	81.0	.0612	.8944	19.46.8	L	10 12 „
19	19.356	20.37	83.6	27.81	82.0	.0628	.8938	19.46.3	L	11 12 „
20	19.424	20.29	84.6	27.74	83.0	.0612	.8930	19.46.3	L	Noon.
21	19.561	20.12	85.4	27.77	84.0	.0588	.8933	19.46.6	C	1 12 p. m.
22	19.630	19.97	86.3	27.74	85.4	.0563	.8930	19.46.9	C	2 12 „
23	19.699	19.86	86.8	27.66	85.6	.0544	.8921	19.47.8	C	3 12 „
Nov. 13TH-Noon	19.767	19.72	85.6	27.51	85.0	.0522	.8905	19.46.4	C	4 12 „
1	19.699	19.57	84.1	27.60	84.0	.0497	.8915	19.47.1	N	5 12 „
2	19.630	19.42	82.8	27.59	83.0	.0473	.8913	19.47.4	N	6 12 „
3	19.699	19.26	81.9	27.67	82.4	.0436	.8922	19.48.1	N	7 12 „
4	19.699	19.11	81.1	27.76	81.9	.0421	.8933	19.48.8	N	8 12 „
5	19.561	19.09	80.4	27.72	81.5	.0417	.8928	19.48.6	L	9 12 „
6	19.630	19.27	80.2	27.77	81.0	.0438	.8933	19.48.6	L	10 12 „
7	19.561	19.29	80.0	27.92	80.7	.0440	.8950	19.49.3	L	11 21 „
8	20.110	19.37	80.1	28.02	80.8	.0465	.8961	19.49.2	L	Midnight.
9	20.007	19.33	80.0	28.17	80.8	.0457	.8977	19.50.0	C	1 12 a. m.
10	19.699	19.33	79.9	28.21	80.4	.0457	.8982	19.50.1	C	2 12 „
11	18.561	19.30	79.7	28.30	80.1	.0453	.8992	19.50.6	C	3 12 „

DAILY OBSERVATIONS FROM 13TH TO 16TH NOVEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
Nov. 13TH—12	19°390	19.27	79°4	28.39	80°0	8.0438	2.9001	19°51'2	C	4 12 a. m.
13	19.767	19.18	79.0	28.47	79.6	.0432	.9010	19.51.7	N	5 12 „
14	19.356	19.24	78.7	28.38	79.4	.0432	.9000	19.51.3	N	6 12 „
15	19.150	19.50	78.8	28.48	79.2	.0485	.9011	19.50.9	N	7 12 „
16	19.767	19.75	79.2	28.58	79.3	.0526	.9022	19.50 8	N	8 12 „
17	19.561	20.16	80.8	28.42	80.0	.0584	.9005	19.49.6	L	9 12 „
18	19.561	20.30	82.0	28.36	80.7	.0616	.8998	19.48.7	L	10 12 „
19	19.013	20.37	83.2	28.23	81.5	.0628	.8984	19.48.0	L	11 12 „
20	19.150	20.25	84.3	28.26	82.7	.0608	.8987	19.48.5	L	Noon.
21	19.836	20.16	85.3	28.34	83.9	.0594	.8996	19.49.0	C	1 12 p. m.
22	20.110	20.02	86.1	28.20	84.9	.0571	.8981	19.48.7	C	2 12 „
23	20.179	19.77	85.9	28.04	84.9	.0530	.8963	19.48.5	C	3 12 „
Nov. 14TH—Noon	20.247	19.57	84.8	27.97	84.5	.0497	8955	19.48.7	C	4 12 „
1	19.767	19.52	83.7	27.89	83.5	.0489	.8946	19.48.4	N	5 12 „
2	19.836	19.33	82.8	27.96	82.8	.0457	.8954	19.49.1	N	6 12 „
3	19.973	19.24	81.8	28.07	82.2	.0432	.8966	19.49.9	N	7 12 „
4	19.904	19.19	81.2	28.05	81.8	.0434	.8964	19.49.8	N	8 12 „
5	19.630	19.24	81.0	28.09	81.4	.0432	.8968	19.50.0	L	9 12 „
6	19.630	19.26	80.4	28.14	81.0	.0436	.8974	19.50.1	L	10 12 „
7	19.973	19.17	80.0	28.24	80.6	.0432	.8985	19.50.7	L	11 12 „
8	19.836	19.26	79.7	28.31	80.2	.0436	.8993	19.50.9	L	Midnight.
9	20.110	19.40	79.8	28.42	80.3	.0469	.9005	19.51.0	C	1 12 a. m.
10	20.213	19.29	79.4	28.35	80.1	.0440	.8997	19.51.1	C	2 12 „
11	20.385	19.30	79.1	28.29	79.8	.0453	.8990	19.50.6	C	3 12 „
12	19.493	19.31	78.9	28.33	79.4	.0454	.8995	19.50.8	C	4 12 „
13	19.287	19.25	78.6	28.32	79.0	.0434	.8994	19.51.0	N	5 12 „
14	18.807	19.35	78.3	28.36	78.8	.0461	.8998	19.50.8	N	6 12 „
15	19.150	19.45	78.5	28.48	78.6	.0477	.9011	19.51.1	N	7 12 „
16	19.767	19.85	78.8	28.64	78.8	.0542	.9029	19.51.0	N	8 12 „
17	19.699	20.27	79.9	28.51	79.0	.0612	.9015	19.49.6	L	9 12 „
18	19.081	20.59	81.6	28.34	80.0	.0663	.8996	19.48.1	L	10 12 „
19	18.875	20.66	83.0	28.25	81.0	.0675	.8986	19.47.5	L	11 12 „
20	19.218	20.63	84.1	28.22	82.3	.0669	.8983	19.47.5	L	Noon.
21	19.904	20.64	85.1	28.16	83.6	.0671	.8976	19.47.2	C	1 12 p. m.
22	19.973	20.37	86.0	28.01	84.7	.0628	.8960	19.47.1	C	2 12 „
23	19.287	20.29	86.4	27.85	85.1	.0614	.8942	19.46.7	C	3 12 „
Nov. 16TH—Noon	19.973	19.84	85.6	27.98	84.3	.0540	.8956	19.48.2	L	4 12 „
1	19.767	19.51	84.1	27.89	83.8	.0486	.8946	19.48.4	L	5 12 „
2	19.836	19.32	82.8	27.97	83.1	.0457	.8955	19.49.2	L	6 12 „
3	19.904	18.97	81.8	28.00	82.6	.0399	.8959	19.50.1	N	7 12 „
4	20.249	18.93	81.0	28.06	82.0	.0391	.8965	19.50.4	N	8 12 „
5	20.249	18.94	80.3	28.05	81.7	.0393	.8964	19.50.3	L	9 12 „
6	19.767	19.24	80.0	28.18	81.0	.0432	.8978	19.50.4	L	10 12 „
7	19.973	19.18	79.6	28.18	80.9	.0422	.8978	19.50.4	L	11 12 „
8	20.110	19.17	79.3	28.22	80.6	.0422	.8983	19.50.7	L	Midnight.
9	19.904	19.27	79.0	28.31	80.3	.0438	.8993	19.50.7	C	1 12 a. m.
10	19.904	18.99	78.8	28.26	80.0	.0401	.8977	19.50.8	C	2 12 „
11	19.630	19.07	77.8	28.48	79.0	.0415	.9011	19.51.3	C	3 12 „
12	19.458	18.92	77.0	28.43	78.4	.0391	.9006	19.52.0	C	4 12 „
13	19.493	18.97	77.3	28.51	78.6	.0399	.9015	19.52.3	N	5 12 „
14	18.807	19.05	77.5	28.56	78.6	.0413	.9020	19.52.4	N	6 12 „
15	18.670	19.20	77.7	28.65	78.4	.0426	.9030	19.52.5	N	7 12 „
16	19.150	19.48	78.3	28.6[illegible]	78.7	.0481	.9031	19.51.9	N	8 12 „
17	19.904	19.91	80.0	28.62	79.2	.0552	.9027	19.50.8	L	9 12 „
18	19.836	20.09	81.2	28.32	80.1	.0571	.8994	19.49.2	L	10 12 „
19	19.150	20.45	83.0	28.30	81.7	.0641	.8992	19.48.2	L	11 12 „
20	20.110	20.39	84.3	28.29	82.9	.0630	.8990	19.48.3	L	Noon.
21	20.796	20.22	85.0	28.27	83.5	.0604	.8988	19.48.6	C	1 12 p. m.
22	20.590	19.97	85.3	28.05	83.9	.0563	.8964	19.48.1	C	2 12 „
23	19.836	19.84	85.0	28.02	84.0	.0540	.8961	19.48.3	C	3 12 „

On the 13th, at about 19h., Dip as obtained by Observation was 19°20'2.
On the 14th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 17TH TO 19TH NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Nov. 17TH-Noon	20°042	19.58	84°0	28.10	83°9	8.0497	2.8970	19°49'2	C	4 12 p. m.
1	20.316	19.35	83.0	28.09	83.0	.0461	.8963	19.49.6	N	5 12 ,,
2	20.179	19.11	82.0	28.08	82.5	.0421	.8967	19.50.1	N	6 12 ,,
3	19.904	19.05	81.5	28.06	82.0	.0411	.8965	19.50.1	N	7 12 ,,
4	19.630	19.01	81.2	28.15	81.8	.0404	.8975	19.50.7	N	8 12 ,,
5	19.630	19.07	81.0	28.19	81.4	.0415	.8979	19.50.5	L	9 12 ,,
6	19.630	18.96	80.3	28.25	81.0	.0397	.8986	19.51.1	L	10 12 ,,
7	19.630	19.18	80.0	28.26	80.7	.0430	.8987	19.50.8	L	11 12 ,,
8	19.767	19.21	79.7	28.31	80.3	.0427	.8993	19.51.0	L	Midnight.
9	19.561	19.40	79.7	28.37	80.3	.0469	.8999	19.50.7	C	1 12 a. m.
10	19.561	19.30	79.1	28.42	79.9	.0453	.9005	19.51.2	C	2 12 ,,
11	18.944	19.27	78.6	28.40	79.5	.0438	.9003	19.51.3	C	3 12 ,,
12	19.356	19.17	78.4	28.62	79.2	.0432	.9027	19.52.4	C	4 12 ,,
13	19.321	19.27	78.3	28.57	79.1	.0465	.9011	19.51.2	N	5 12 ,,
14	18.944	19.34	78.3	28.57	79.0	.0459	.9011	19.51.3	N	6 12 ,,
15	18.738	19.39	78.5	28.67	79.0	.0467	.9032	19.52.0	N	7 12 ,,
16	19.767	19.68	79.2	28.77	79.1	.0514	.9043	19.52.0	N	8 12 ,,
17	20.247	20.05	80.9	28.73	80 0	.0575	.9039	19.50.9	L	9 12 ,,
18	19.973	20.25	82.4	28.58	80.9	.0608	.9022	19.49.8	L	10 12 ,,
19	19.424	20.37	83.7	28.41	81.8	.0628	.9004	19.48.8	L	11 12 ,,
20	19.904	20.35	84.8	28.39	82.9	.0624	.9001	19.48.8	L	Noon.
21	20.316	20.23	85.5	28.16	83.9	.0604	.8976	19.48.1	C	1 12 p. m.
22	19.973	20.17	86.2	28.03	85.0	.0596	.8962	19.47.5	C	2 12 ,,
23	20.110	19.98	86.7	28.05	85.6	.0563	.8964	19.48.1	C	3 12 ,,
Nov. 18TH-Noon	20.385	19.69	85.8	28.05	84.9	.0516	.8964	19.48.6	C	4 12 ,,
1	20.385	19.37	84.2	27.92	84.0	.0465	.8950	19.48.9	N	5 12 ,,
2	20.179	19.16	83.0	27.96	83.2	.0430	.8954	19.49.5	N	6 12 ,,
3	20.249	18.92	82.1	28.08	82.7	.0391	.8967	19.50.5	N	7 12 ,,
4	20.249	18.80	81.5	28.08	82.0	.0371	.8967	19.50.8	N	8 12 ,,
5	19.973	18.81	81.0	28.15	81.7	.0372	.8975	19.51.1	L	9 12 ,,
6	19.904	19.00	80.7	28.19	81.2	.0403	.8979	19.50.8	L	10 12 ,,
7	19.424	19.13	80.2	28.25	81.0	.0424	.8986	19.50.8	L	11 12 ,,
8	19.767	19.18	80.0	28.32	80.5	.0432	.8994	19.51.0	L	Midnight.
9	19.630	19.06	79.5	28.32	80.2	.0413	.8994	19.51.3	C	1 12 a. m.
10	19.699	19.24	79.2	28.37	80.0	.0432	.8999	19.51.2	C	2 12 ,,
11	19.287	19.26	79.0	28.47	79.9	.0436	.9010	19.51.6	C	3 12 ,,
12	19.699	19.29	78.5	28.39	79.5	.0440	.9001	19.51.2	C	4 12 ,,
13	18.670	19.42	77.8	28.43	78.8	.0473	.9006	19.51.0	N	5 12 ,,
14	18.601	19.75	78.0	28.56	78.8	.0526	.9020	19.50.8	N	6 12 ,,
15	18.532	19.56	78.0	28.56	78.6	.0495	.9020	19.51.2	N	7 12 ,,
16	19.013	19.87	78.3	28.71	78.8	.0546	.9037	19.51.2	N	8 12 ,,
17	19.836	20.13	79.7	28.70	79.0	.0588	.9036	19.50.6	L	9 12 ,,
18	19.973	20.40	80.9	28.54	79.9	.0633	.9018	19.49.4	L	10 12 ,,
19	19.767	20.37	82.2	28.48	80.8	.0628	.9011	19.49.1	L	11 12 ,,
20	19.630	20.49	83.8	28.38	82.0	.0647	.9000	19.48.4	L	Noon.
21	19.904	20.36	85.2	28.36	83.4	.0626	.8998	19.48.6	C	1 12 p. m.
22	20.179	20.40	85.8	28.28	83.9	.0633	.8989	19.48.2	C	2 12 ,,
23	19.767	19.95	85.0	28.12	83.9	.0569	.8972	19.48.3	C	3 12 ,,
Nov. 19TH-Noon	19.904	18.96	84.3	28.18	83.6	.0397	.8978	19.50.8	C	4 12 ,,
1	19.493	18.94	83.0	28.09	83.0	.0393	.8968	19.50.5	N	5 12 ,,
2	19.356	18.82	82.3	28.16	82.5	.0375	.8976	19.51.0	N	6 12 ,,
3	20.100	18.90	81.5	28.18	82.0	.0387	.8978	19.50.9	N	7 12 ,,
4	19.699	18.89	81.1	28.25	81.5	.0385	.8986	19.51.2	N	8 12 ,,
5	19.699	18.85	81.0	28.26	81.4	.0379	.8987	19.51.5	L	9 12 ,,
6	19.493	19.29	80.8	28.28	81.0	.0440	.8989	19.50.7	L	10 12 ,,
7	19.630	19.10	80.0	28.32	80.8	.0420	.8994	19.51.1	L	11 12 ,,
8	19.493	19.15	79.8	28.31	80.3	.0426	.8993	19.51.0	L	Midnight.
9	19.801	19.14	79.5	28.40	80.1	.0426	.9003	19.51.4	C	1 12 a. m.
10	19.527	19.19	79.1	28.55	80.0	.0434	.9019	19.52.0	C	2 12 ,,
11	19.595	19.18	78.4	28.57	79.6	.0432	.9021	19.52.1	C	3 12 ,,

On the 17th, at about 19h., Dip as obtained by Observation was 19°01'2.

DAILY OBSERVATIONS FROM 19TH TO 21ST NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	′									h. m.
Nov. 19th- 12	19·424	19.03	78°5	28.65	79°5	8.0417	2.9030	19°52′6	C	4 12 a. m.
13	18.944	19.05	78.5	28.57	79.0	.0411	.9021	19.52.4	N	5 12 „
14	19.013	19.21	78.3	28.67	79.0	.0427	.9032	19.52.5	N	6 12 „
15	19.218	19.24	78.7	28.77	79.0	.0432	.9043	19.53.0	N	7 12 „
16	19.493	19.50	79.6	28.70	79.3	.0485	.9036	19.51.9	N	8 12 „
17	19.699	19.71	81.0	28.72	80.0	.0529	.9038	19.51.5	L	9 12 „
18	19.699	19.93	82.9	28.59	81.2	.0555	.9023	19.50.5	L	10 12 „
19	19.424	20.02	83.6	28.53	82.0	.0571	.9017	19.50.2	L	11 12 „
20	20.042	20.00	84.1	28.58	82.8	.0567	.9032	19.50.7	L	Noon.
21	20.316	20.02	85.1	28.46	83.7	.0571	.9009	19.49.8	C	1 12 p. m.
22	20.042	19.98	86.1	28.29	84.7	.0563	.8990	19.49.2	C	2 12 „
23	19.836	19.88	85.6	28.09	84.4	.0546	.8968	19.48.4	C	3 12 „
Nov. 20th-Noon	19.424	19.62	84.0	28.09	83.7	.0506	.8968	19.49.0	C	4 12 „
1	19.630	19.15	82.6	28.21	83.0	.0428	.8982	19.50.5	N	5 12 „
2	20.590	19.21	81.8	28.27	82.2	.0427	.8988	19.50.8	N	6 12 „
3	20.110	19.00	81.0	28.25	81.5	.0493	.8986	19.51.1	N	7 12 „
4	19.836	18.69	80.7	28.33	81.0	.0352	.8995	19.52.1	N	8 12 „
5	20.247	18.79	80.4	28.37	81.0	.0368	.8999	19.52.0	L	9 12 „
6	20.110	18.97	80.0	28.40	80.8	.0399	.9003	19.51.8	L	10 12 „
7	20.316	19.24	79.4	28.42	80.1	.0432	.9005	19.51.5	L	11 12 „
8	20.042	19.11	79.0	28.45	79.9	.0421	.9008	19.51.7	L	Midnight.
9	19.767	19.24	78.8	28 49	79.7	.0432	.9012	19.51.7	C	1 12 a. m.
10	19.630	19.14	78.6	28.55	79.5	.0426	.9019	19.52.0	C	2 12 „
11	19.836	19.06	78.5	28 60	79.2	.0413	.9025	19.52.6	C	3 12 „
12	19.424	19.46	78.4	28.56	79.1	.0479	.9020	19 51.5	C	4 12 „
13	19.424	19.34	78.2	28.67	79.0	.0459	.9032	19.52.0	N	5 12 „
14	18.944	19 34	78.1	28.56	78.8	.0457	.9020	19.51.7	N	6 12 „
15	18.738	19 31	78.0	28 74	78.6	.0454	.9040	19.52.6	N	7 12 „
16	19.013	19.58	78.5	28.84	78.6	.0497	.9051	19.52.4	N	8 12 „
17	19.699	19.55	79.1	28.80	78.7	.0493	.9047	19 52.4	L	9 12 „
18	20.042	19.73	80.0	28.80	79.2	.0522	.9047	19.52.0	L	10 12 „
19	20.179	19.99	81.9	28.76	80.2	.0565	.9042	19.51.1	L	11 12 „
20	20.385	20.09	82.3	28.78	80.9	.0581	.9044	19.51.1	L	Noon.
21	21.139	19.91	83.4	28.75	81.9	.0552	.9041	19.51.3	C	1 12 p. m.
22	21.071	19.73	83.5	28.56	82.0	.0522	.9020	19.50.9	C	2 12 „
23	20.385	19.70	83,3	28.31	82.4	.0518	.8993	19.49.8	C	3 12 „
Nov. 21st-Noon	19.699	19 52	82.3	28 24	82.0	.0489	.8985	19.49.9	C	4 12 „
1	19.218	19.29	81.3	28.26	81.4	.0440	.8987	19.50.7	N	5 12 „
2	19.630	18.71	80.8	28.38	80.9	.0355	.9000	19.52.2	N	6 12 „
3	19.699	18.97	80.4	28.40	80.7	.0399	.9003	19.51.8	N	7 12 „
4	19 493	19.02	80.2	28.42	80.6	.0407	.9005	19.51.8	N	8 12 „
5	19.904	18.99	79.6	28.48	80.0	.0401	.9011	19.52.1	L	9 12 „
6	20.042	18.98	79.1	28.53	79.7	.0399	.9027	19.52.8	L	10 12 „
7	20.042	19.05	78.5	28.48	79.2	.0411	.9011	19.52.0	L	11 12 „
8	19.836	19.16	78.5	28.56	79.0	.0430	.9020	19.52.1	L	Midnight.
9	20.522	19.00	78.2	28.74	79.0	.0403	.9040	19.53.3	C	1 12 a. m.
10	20.385	19.04	77.5	28.77	78.8	.0409	.9043	19.53.3	C	2 12 „
11	20.213	18.93	77.2	28.69	78.4	.0391	.9034	19.53.1	C	3 12 „
12	20.042	18.98	76.8	28.69	78.0	.0399	.9034	19.53 0	C	4 12 „
13	19.630	18.97	76.3	28.83	77.7	.0399	.9050	19.53.7	N	5 12 „
14	18.807	19.10	76.0	28.72	77.2	.0420	.9038	19.52.9	N	6 12 „
15	18.395	19.36	76.5	28.92	77.2	.0463	.9060	19.53.2	N	7 12 „
16	19.150	19.48	77.1	28.92	77.2	.0481	.9060	19.53.0	N	8 12 „
17	19.767	19.67	77.7	28.95	77.2	.0514	.9063	19.52.7	L	9 12 „
18	19.836	19.81	79.0	28.89	78.0	.0535	.9056	19.52.1	L	10 12 „
19	20.842	19.82	79.6	28.90	78.5	.0538	.9058	19.52.2	L	11 12 „
20	21.002	19.84	80.8	29.04	79.1	.0540	.9073	19.52.7	L	Noon.
21	20.865	19.63	81.4	28.82	80.0	.0506	.9049	19.52.2	C	1 12 p. m.
22	20.110	19.42	81.0	28.57	80.2	.0473	.9021	19.51.6	C	2 12 „
23	19.699	19.33	80.9	28.53	80.4	.0457	.9017	19.51.6	C	3 12 „

On the 20th, at about 19h., Dip as obtained by Observation was 18°56′5.
On the 21st, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 23RD TO 25TH NOVEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Nov. 23rd-Noon	18·738	19.71	83°8	28.28	82°8	8.0519	2.8989	19°49'6	N	4 12 p. m.
1	19.150	19.56	82.7	28.37	82.2	.0495	.8999	19.50.3	N	5 12 ,,
2	19.493	19.34	81.6	28.35	81.8	.0459	.8997	19.50.8	N	6 12 ,,
3	19.767	19.28	80.7	28.31	81.0	.0438	.8993	19.50.9	N	7 12 ,,
4	19.767	19.27	80.2	28.36	80.6	.0438	.8998	19.51.1	N	8 12 ,,
5	19.699	19.36	79.9	28.38	80.1	.0463	.9000	19.50.9	L	9 12 ,,
6	19.904	19.43	79.7	28.44	80.0	.0473	.9007	19.51.1	L	10 12 ,,
7	19.904	19.48	79.6	28.49	79.5	.0481	.9012	19.51.1	L	11 12 ,,
8	19.973	19.42	79.6	28.54	79.2	.0473	.9018	19.51.5	L	Midnight.
9	20.042	19.49	79.6	28.62	79.2	.0483	.9027	19.51.8	C	1 12 a. m.
10	19.973	19.50	79.3	28.92	79.1	.0485	.9060	19.52.8	C	2 12 ,,
11	19.561	19.47	79.0	28.97	79.1	.0481	.9065	19.53.2	C	3 12 ,,
12	19.630	19.48	78.9	28.94	79.0	.0481	.9062	19.53.0	C	4 12 ,,
13	18.875	19.46	78.6	28.86	78.8	.0479	.9053	19.52.8	N	5 12 ,,
14	18.532	19.56	78.2	28.96	78.8	.0495	.9064	19.50.8	N	6 12 ,,
15	18.189	19.33	78.2	28.95	78.4	.0457	.9063	19.53.3	N	7 12 ,,
16	18.738	19.55	79.0	29.06	78.8	.0493	.9075	19.53.4	N	8 12 ,,
17	19.081	19.82	80.1	28.99	79.0	.0538	.9067	19.52.5	N	9 12 ,,
18	18.875	19.90	81.3	28.90	80.0	.0551	.9058	19.52.0	N	10 12 ,,
19	18.670	19.96	82.5	28.88	81.0	.0561	.9055	19.51.8	C	11 12 ,,
20	19.356	19.92	82.9	28.95	81.6	.0555	.9063	19.52.0	C	Noon.
21	20.042	19.82	82.9	28.88	81.9	.0538	.9063	19.52.1	C	1 12 p. m.
22	20.247	19.65	82.4	28.68	82.0	.0503	.9055	19.51.7	C	2 12 ,,
23	20.453	19.60	82.5	28.46	82.2	.0502	.9033	19.51.1	C	3 12 ,,
Nov. 24th-Noon	19.081	19.39	81.7	28.45	81.9	.0467	.9008	19.51.1	C	4 12 ,,
1	19.493	19.31	80.8	28.60	81.2	.0454	.9025	19.52.0	N	5 12 ,,
2	19.767	19.17	80.2	28.72	80.7	.0432	.9038	19.52.8	N	6 12 ,,
3	19.561	19.06	79.8	28.71	80.3	.0413	.9037	19.53.1	N	7 12 ,,
4	19.630	19.04	79.5	28.74	80.1	.0409	.9040	19.53.2	N	8 12 ,,
5	19.630	19.10	79.4	28.76	80.0	.0420	.9042	19.53.0	L	9 12 ,,
6	19.630	19.15	79.2	28.80	79.9	.0428	.9047	19.53.2	L	10 12 ,,
7	19.699	19.11	79.0	28.82	79.6	.0421	.9049	19.53.3	L	11 12 ,,
8	19.699	19.03	78.9	28.87	79.5	.0407	.9054	19.53.7	L	Midnight.
9	19.767	19.15	78.7	28.83	79.3	.0428	.9050	19.53.3	C	1 12 a. m.
10	19.493	19.18	78.6	28.84	79.1	.0432	.9051	19.53.3	C	2 12 ,,
11	19.561	19.22	78.3	28.88	79.0	.0430	.9055	19.53.5	C	3 12 ,,
12	19.356	19.29	78.3	28.99	79.0	.0440	.9067	19.53.8	C	4 12 ,,
13	19.218	19.20	78.0	28.99	79.0	.0426	.9067	19.53.9	N	5 12 ,,
14	19.013	19.36	78.2	28.96	78.8	.0463	.9064	19.53.3	N	6 12 ,,
15	18.944	19.38	78.5	29.04	78.8	.0465	.9073	19.53.6	N	7 12 ,,
16	19.493	19.59	79.3	29.07	79.0	.0499	.9076	19.53.3	N	8 12 ,,
17	19.973	19.86	80.6	28.97	79.5	.0544	.9065	19.52.4	L	9 12 ,,
18	19.904	20.02	82.0	28.85	80.4	.0571	.9052	19.51.5	L	10 12 ,,
19	19.836	20.15	83.2	28.83	81.5	.0592	.9050	19.51.2	L	11 12 ,,
20	20.590	20.08	84.7	28.91	82.9	.0579	.9059	19.51.7	L	Noon.
21	20.590	19.90	85.0	28.61	83.4	.0551	.9026	19.50.7	C	1 12 p. m.
22	19.356	19.87	85.0	28.26	84.0	.0546	.8987	19.49.2	C	2 12 ,,
23	18.327	19.95	84.5	28.27	84.0	.0559	.8988	19.49.1	C	3 12 ,,
Nov. 25th-Noon	18.601	19.82	83.6	28.41	83.5	.0538	.9004	19.50.5	C	4 12 ,,
1	19.356	19.60	82.0	28.45	83.0	.0502	.9008	19.50.7	N	5 12 ,,
2	19.356	19.45	82.0	28.46	82.6	.0477	.9009	19.51.0	N	6 12 ,,
3	19.561	19.36	82.0	28.47	82.2	.0463	.9010	19.51.3	N	7 12 ,,
4	19.493	19.35	82.0	28.47	82.2	.0461	.9010	19.51.3	N	8 12 ,,
5	19.561	19.39	81.8	28.51	82.0	.0467	.9015	19.51.4	L	9 12 ,,
6	19.561	19.19	81.0	28.56	81.9	.0434	.9020	19.52.1	L	10 12 ,,
7	19.661	19.18	80.7	28.57	81.6	.0432	.9021	19.52.1	L	11 12 ,,
8	19.630	19.13	80.4	28.59	81.2	.0424	.9023	19.52.3	L	Midnight.
9	19.493	19.20	80.4	28.64	81.2	.0426	.9029	19.52.4	C	1 12 a. m.
10	19.493	19.18	80.3	28.67	81.0	.0432	.9032	19.52.5	C	2 12 ,,
11	19.356	19.18	80.1	28.66	80.8	.0432	.9031	19.52.5	C	3 12 ,,

On the 24th, at about 19h., Dip as obtained by Observation was 18°59'0.

DAILY OBSERVATIONS FROM 25TH TO 27TH NOVEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
NOV. 25TH—12	19'218	19.18	80°0	28.64	80°8	8.0432	2.9029	19°52'4	C	4 12 a. m.
13	18.807	19.22	80.1	28.62	80.8	.0430	.9027	19.52.4	N	5 12 „
14	18.670	19.20	79.9	28.57	80.7	.0426	.9021	19.52.1	N	6 12 „
15	18.532	19.63	80.3	28.66	80.4	.0506	.9031	19.51.5	N	7 12 „
16	18.738	19.84	81.0	28.72	80.8	.0540	.9038	19.51.4	N	8 12 „
17	18.807	20.19	82.0	28.71	81.0	.0598	.9037	19.50.6	L	9 12 „
18	18.738	20.32	83.0	28.68	82.0	.0620	.9033	19.50.1	L	10 12 „
19	18.601	20.41	84.4	28.61	83.0	.0634	.9025	19.49.7	L	11 12 „
20	19.699	20.46	86.1	28.71	84.2	.0643	.9037	19.50.1	L	Noon.
21	20.659	20.36	87.1	28.69	85.5	.0626	.9034	19.50.0	C	1 12 p. m.
22	20.796	20.32	87.5	28.50	86.0	.0620	.9014	19.49.3	C	2 12 „
23	20.590	20.20	86.8	28.31	86.0	.0600	.8993	19.48.8	C	3 12 „
NOV. 26TH—Noon	19.904	19.88	85.5	28.16	85.3	.0546	.8976	19.48.7	C	4 12 „
1	19.424	19.71	84.0	28.20	84.2	.0519	.8981	19.49.3	N	5 12 „
2	19.424	19.53	83.5	28.22	84.0	.0489	.8983	19.49.8	N	6 12 „
3	19.699	19.31	82.9	28.26	83.5	.0454	.8987	19.50.5	N	7 12 „
4	19.699	19.18	82.5	28.29	83.0	.0432	.8990	19.50.9	N	8 12 „
5	19.836	19.21	82.2	28.28	82.7	.0427	.8989	19.50.8	L	9 12 „
6	19.699	19.30	82.0	28.37	82.7	.0453	.8999	19.50.9	L	10 12 „
7	19.836	19.17	81.4	28.37	82.3	.0432	.8999	19.51.2	L	11 12 „
8	19.699	19.20	81.0	28.38	81.9	.0426	.9000	19.51.3	L	Midnight.
9	19.356	19.30	80.6	28.41	81.6	.0453	.9004	19.51.1	C	1 12 a. m.
10	19.493	19.32	80.3	28.43	81.3	.0457	.9006	19.51.1	C	2 12 „
11	19.218	19.41	80.0	28.42	81.1	.0470	.9005	19.51.0	C	3 12 „
12	18.807	19.50	79.9	28.51	81.0	.0485	.9015	19.51.1	C	4 12 „
13	18.121	19.67	80.0	28.27	80.8	.0514	.9021	19.51.1	N	5 12 „
14	18.121	19.67	80.0	28.52	80.8	.0514	.9016	19.50.9	N	6 12 „
15	18.121	19.81	80.1	28.52	80.8	.0535	.9016	19.50.5	N	7 12 „
16	18.258	19.88	80.7	28.61	80.8	.0546	.9026	19.50.7	N	8 12 „
17	19.081	20.09	81.9	28.63	81.0	.0581	.9028	19.50.5	L	9 12 „
18	18.601	20.11	83.2	28.44	81.9	.0585	.9007	19.49.5	L	10 12 „
19	18.944	19.98	84.4	28.57	83.1	.0563	.9021	19.50.4	L	11 12 „
20	19.838	20.20	85.5	28.67	83.7	.0600	.9032	19.50.3	L	Noon.
21	20.385	20.01	85.9	28.60	84.2	.0568	.9025	19.50.5	C	1 12 p. m.
22	20.933	19.71	85.8	28.37	84.7	.0519	.8999	19.50.0	C	2 12 „
23	20.385	19.57	85.4	28.15	85.0	.0497	.8975	19.49.4	C	3 12 „
NOV. 27TH—Noon	19.699	19.30	84.5	28.11	84.7	.0453	.8971	19.49.8	C	4 12 „
1	19.973	19.13	83.3	28.22	84.0	.0424	.8983	19.50.7	N	5 12 „
2	19.493	19.10	82.7	28.20	83.2	.0420	.8981	19.50.6	N	6 12 „
3	19.767	19.07	82.3	28.29	82.9	.0415	.8990	19.51.0	N	7 12 „
4	19.561	19.10	81.9	28.28	82.5	.0420	.8989	19.50.9	N	8 12 „
5	19.836	19.03	80.9	28.36	81.9	.0417	.8998	19.51.3	L	9 12 „
6	19.767	19.11	80.1	28.44	81.2	.0421	.9007	19.51.7	L	10 12 „
7	19.424	19.05	79.5	28.43	80.9	.0411	.9006	19.51.8	L	11 12 „
8	19.767	19.04	79.2	28.48	80.3	.0409	.9011	19.52.0	L	Midnight.
9	19.836	18.98	78.9	28.50	79.9	.0399	.9014	19.52.2	C	1 12 a. m.
10	19.870	19.00	78.3	28.54	79.5	.0403	.9018	19.52.4	C	2 12 „
11	19.699	19.04	77.9	28.60	79.2	.0409	.9025	19.52.6	C	3 12 „
12	19.595	19.06	77.8	28.66	79.0	.0413	.9031	19.52.8	C	4 12 „
13	19.424	19.16	77.7	28.72	78.9	.0430	.9038	19.52.8	N	5 12 „
14	19.081	19.31	77.6	28.66	78.8	.0454	.9031	19.52.2	N	6 12 „
15	18.670	19.67	77.8	28.76	78.6	.0514	.9042	19.51.9	N	7 12 „
16	19.218	20.31	78.5	29.00	78.8	.0617	.9069	19.51.4	N	8 12 „
17	19.630	19.99	80.0	28.95	79.0	.0565	.9063	19.51.9	L	9 12 „
18	19.630	20.09	81.0	28.85	80.0	.0597	.9052	19.51.1	L	10 12 „
19	19.630	20.19	82.2	28.87	80.8	.0598	.9054	19.51.2	L	11 12 „
20	20.316	20.22	83.4	28.93	81.7	.0604	.9061	19.51.4	L	Noon.
21	21.415	20.03	84.0	28.86	82.5	.0571	.9053	19.51.6	C	1 12 p. m.
22	21.415	19.80	84.1	28.71	83.0	.0534	.9037	19.51.5	C	2 12 „
23	20.796	19.68	84.0	28.50	83.3	.0514	.9014	19.50.8	C	3 12 „

On the 27th, at about 19h., Dip as obtained by Observation was 19°20'0.

DAILY OBSERVATIONS FROM 28TH NOVEMBER TO 1ST DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Nov. 28TH-Noon	20·179	19.54	83°3	28.39	83°0	8.0491	2.9001	19°50′5	C	4 12 p. m.
1	19.699	19.39	82.1	28.39	82.4	.0467	.9001	19.50.8	N	5 12 ,,
2	20.042	19.19	81.2	28.50	81.8	.0434	.9016	19.51.9	N	6 12 ,,
3	19.630	19.19	81.1	28.55	81.5	.0434	.9019	19.52.0	N	7 12 ,,
4	19.493	19.16	80.8	28.53	81.1	.0430	.9017	19.52.0	N	8 12 ,,
5	19.973	19.00	79.3	28.53	80.2	.0403	.9017	19.52.4	L	9 12 ,,
6	19.973	19.24	78.9	28.57	79.8	.0432	.9021	19.52.1	L	10 12 ,,
7	19.836	19.16	78.5	28.68	79.3	.0430	.9033	19.52.6	L	11 12 ,,
8	20.042	19.11	78.1	28.67	79.0	.0421	.9032	19.52.6	L	Midnight.
9	19.699	19.05	77.8	28.76	78.8	.0411	.9042	19.53.2	C	1 12 a. m.
10	19.527	19.05	77.7	28.76	78.5	.0411	.9042	19.53.2	C	2 12 ,,
11	19.156	19.07	77.9	28.86	78.5	.0415	.9053	19.53.5	C	3 12 ,,
12	19.356	19.18	77.7	28.88	78.3	.0432	.9055	19.53.5	C	4 12 ,,
13	19.115	19.18	77.3	28.78	78.0	.0432	.9043	19.53.0	N	5 12 ,,
14	19.184	19.23	76.4	28.78	77.6	.0430	.9043	19.53.0	N	6 12 ,,
15	18.670	19.40	76.8	28.97	77.4	.0469	.9065	19.53.3	N	7 12 ,,
16	19.218	19.65	77.5	28.98	77.8	.0510	.9066	19.52.8	N	8 12 ,,
17	18.875	19.94	78.7	28.99	78.0	.0557	.9067	19.52.1	L	9 12 ,,
18	18.601	20.17	80.5	28.88	78.9	.0596	.9055	19.51.3	L	10 12 ,,
19	19.150	20.18	81.7	28.86	79.9	.0596	.9053	19.51.2	L	11 12 ,,
20	19.904	20.02	82.3	28.84	80.3	.0571	.9051	19.51.5	L	Noon.
21	20.316	19.84	82.7	28.78	81.0	.0540	.9044	19.51.6	C	1 12 p. m.
22	20.042	19.64	83.0	28.69	81.6	.0508	.9034	19.51.6	C	2 12 ,,
23	19.904	19.52	83.0	28.65	81.9	.0489	.9030	19.51.7	C	3 12 ,,
Nov. 29TH-Noon	19.904	19.38	82.3	28.63	81.7	.0465	.9028	19.51.9	C	4 12 ,,
1	19.836	19.24	81.1	28.71	81.0	.0432	.9037	19.52.8	N	5 12 ,,
2	20.110	19.24	80.8	28.74	80.6	.0432	.9040	19.52.9	N	6 12 ,,
3	19.630	19.10	80.5	28.74	80.5	.0420	.9044	19.53.1	N	7 12 ,,
4	19.699	18.96	80.4	28.77	80.4	.0397	.9043	19.53.4	N	8 12 ,,
5	19.904	18.78	80.0	28.80	80.1	.0366	.9047	19.54.0	L	9 12 ,,
6	20.042	18.60	79.0	28.83	79.5	.0338	.9050	19.54.5	L	10 12 ,,
7	19.973	18.62	78.6	28.80	79.1	.0342	.9047	19.54.4	L	11 12 ,,
8	20.247	18.58	78.4	28.92	79.0	.0333	.9060	19.54.9	L	Midnight.
9	20.247	18.76	78.4	28.91	79.0	.0364	.9059	19.54.5	C	1 12 a. m.
10	20.179	18.80	78.1	28.91	78.8	.0371	.9059	19.54.4	C	2 12 ,,
11	19.836	18.93	77.9	28.92	78.6	.0391	.9060	19.54.1	C	3 12 ,,
12	19.493	19.03	77.4	28.91	78.2	.0407	.9059	19.53.9	C	4 12 ,,
13	19.561	19.00	76.8	28.98	77.8	.0403	.9066	19.54.2	N	5 12 ,,
14	19.561	19.00	76.5	28.95	77.4	.0403	.9063	19.54.1	N	6 12 ,,
15	18.807	19.00	76.3	29.04	77.0	.0403	.9073	19.54.5	N	7 12 ,,
16	18.875	19.39	77.5	29.14	77.2	.0467	.9084	19.54.0	N	8 12 ,,
17	19.424	19.70	79.0	29.20	78.0	.0518	.9091	19.53.6	L	9 12 ,,
18	19.767	19.88	80.4	29.15	78.9	.0546	.9085	19.53.0	L	10 12 ,,
19	19.973	19.92	81.3	29.09	79.7	.0555	.9078	19.52.6	L	11 12 ,,
20	20.522	19.93	82.4	29.12	80.7	.0555	.9082	19.52.7	L	Noon.
21	21.208	19.78	82.9	29.03	81.1	.0530	.9072	19.52.7	C	1 12 p. m.
22	20.933	19.56	83.0	28.78	81.9	.0495	.9044	19.52.1	C	2 12 ,,
23	20.316	19.44	82.7	28.66	82.0	.0475	.9031	19.51.9	C	3 12 ,,
Dec. 1ST—Noon	20.042	19.53	82.9	28.58	82.6	.0489	.9022	19.51.3	C	4 12 ,,
1	20.179	19.36	81.8	28.48	82.0	.0463	.9011	19.51.3	C	5 12 ,,
2	19.973	19.22	81.0	28.55	81.5	.0430	.9019	19.52.0	C	6 12 ,,
3	19.767	19.14	80.4	28.58	81.0	.0426	.9022	19.52.1	C	7 12 ,,
4	19.836	19.10	80.1	28.60	80.9	.0420	.9025	19.52.4	C	8 12 ,,
5	19.630	19.09	79.5	28.59	80.4	.0417	.9023	19.52.3	N	9 12 ,,
6	19.699	18.89	78.8	28.60	80.0	.0393	.9025	19.52.8	N	10 12 ,,
7	19.561	19.08	78.5	28.62	79.4	.0415	.9027	19.52.5	N	11 12 ,,
8	19.561	19.27	78.5	28.62	79.2	.0438	.9027	19.52.3	N	Midnight.
9	19.493	19.29	78.0	28.61	78.9	.0440	.9025	19.52.2	L	1 12 a. m.
10	19.493	19.32	77.9	28.68	78.8	.0457	.9033	19.52.2	L	2 12 ,,
11	19.013	19.28	77.6	28.71	78.5	.0438	.9037	19.52.7	L	3 12 ,,

On the 28th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 1ST TO 3RD DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 1st—12	18'875	19.19	77°4	28.75	78°4	8.0434	2.9041	19°52'9	L	4 12 a. m.
13	18.395	19.26	77.2	28.76	78.1	.0436	.9042	19.52.8	C	5 12 „
14	19.081	19.31	77.0	28.74	78.0	.0454	.9040	19.52.6	C	6 12 „
15	18.327	19.32	77.1	28.79	77.7	.0457	.9055	19.53.1	C	7 12 „
16	18.978	19.60	76.9	29.04	77.6	.0502	.9073	19.53.2	C	8 12 „
17	19.633	19.96	78.5	29.09	78.0	.0561	.9078	19.52.6	N	9 12 „
18	19.904	20.05	80.0	28.97	79.0	.0575	.9066	19.51.6	N	10 12 „
19	20.453	20.10	81.7	28.84	80.1	.0584	.9051	19.51.4	N	11 12 „
20	20.728	20.05	83.0	28.73	81.1	.0575	.0039	19.50.9	N	Noon.
21	21.002	19.86	83.2	28.62	81.6	.0544	.9027	19.51.0	L	1 12 p. m.
22	20.865	19.75	83.7	28.42	82.0	.0526	.9005	19.50.2	L	2 12 „
23	19.767	19.60	83.4	28.32	82.6	.0502	.8994	19.50.1	L	3 12 „
Dec. 2nd-Noon	19.630	19.50	82.6	28.38	82.0	.0485	.9000	19.50.5	L	4 12 „
1	19.836	19.43	81.4	28.43	81.7	.0473	.9006	19.51.0	C	5 12 „
2	19.904	19.25	80.5	28.41	81.1	.0434	.9004	19.51.4	C	6 12 „
3	19.973	19.19	80.6	28.38	80.7	.0434	.9000	19.51.3	C	7 12 „
4	19.767	19.15	79.7	28.40	80.4	.0428	.9003	19.51.4	C	8 12 „
5	20.042	19.05	78.5	28.39	79.8	.0411	.9001	19.51.6	N	9 12 „
6	20.042	19.19	78.0	28.47	79.1	.0434	.9000	19.51.3	N	10 12 „
7	19.630	19.19	77.9	28.52	78.9	.0434	.9016	19.51.9	N	11 12 „
8	19.287	19.25	77.9	28.56	78.6	.0434	.9020	19.52.1	N	Midnight.
9	19.081	19.11	77.6	28.58	78.2	.0421	.9022	19.52.2	L	1 12 a. m.
10	19.287	19.29	77.2	28.69	78.0	.0440	.9034	19.52.5	L	2 12 „
11	19.287	19.31	77.3	28.66	78.0	.0454	.9031	19.52.2	L	3 12 „
12	19.013	19.35	76.7	28.77	77.8	.0461	.9043	19.52.6	L	4 12 „
13	18.464	19.27	76.4	28.68	77.4	.0438	.9033	19.52.5	C	5 12 „
14	18.532	19.55	75.8	28.84	77.0	.0493	.9051	19.52.5	C	6 12 „
15	17.846	19.49	75.8	28.84	76.8	.0483	.9051	19.52.7	C	7 12 „
16	18.258	19.89	76.1	29.00	76.6	.0548	.9069	19.51.3	C	8 12 „
17	19.013	20.10	78.0	29.12	77.2	.0584	.9082	19.52.6	N	9 12 „
18	19.561	20.12	79.0	29.06	78.0	.0588	.9075	19.52.1	N	10 12 „
19	19.561	20.51	80.7	28.98	79.2	.0650	.9066	19.50.9	N	11 12 „
20	20.453	20.29	81.9	28.96	80.0	.0614	.9064	19.51.4	N	Noon.
21	21.415	20.06	82.7	28.89	80.9	.0577	.9056	19.51.6	L	1 12 p. m.
22	21.071	19.75	82.9	28.72	81.2	.0526	.9038	19.51.5	L	2 12 „
23	20.385	19.51	82.7	28.59	81.7	.0486	.9023	19.51.4	L	3 12 „
Dec. 3rd-Noon	20.042	19.27	81.8	28.53	81.1	.0438	.9017	19.51.9	L	4 12 „
1	20.179	19.14	80.7	28.60	81.0	.0426	.9025	19.52.3	C	5 12 „
2	20.179	18.78	80.0	28.63	80.5	.0366	.9028	19.53.2	C	6 12 „
3	20.110	18.95	79.5	28.60	80.0	.0395	.9025	19.52.7	C	7 12 „
4	20.042	18.87	79.1	28.67	79.7	.0383	.9032	19.53.2	C	8 12 „
5	20.042	18.91	78.4	28.70	79.2	.0388	.9036	19.53.2	N	9 12 „
6	19.767	18.86	77.6	28.76	78.8	.0381	.9042	19.53.6	N	10 12 „
7	20.042	18.85	77.0	28.78	78.0	.0379	.9044	19.53.7	N	11 12 „
8	19.767	19.09	77.0	28.82	78.0	.0417	.9049	19.53.3	N	Midnight.
9	19.561	19.16	77.0	28.86	77.6	.0430	.9053	19.53.4	L	1 12 a. m.
10	19.356	19.20	76.9	28.87	77.4	.0426	.9054	19.53.4	L	2 12 „
11	19.493	19.06	76.0	28.91	77.1	.0413	.9059	19.53.9	L	3 12 „
12	18.807	19.50	76.0	28.93	77.0	.0485	.9061	19.52.8	L	4 12 „
13	19.081	19.57	76.2	29.06	77.0	.0497	.9075	19.53.3	C	5 12 „
14	18.258	19.64	76.4	29.06	77.0	.0508	.9075	19.53.2	C	6 12 „
15	18.327	19.52	75.5	28.91	76.3	.0489	.9059	19.52.8	C	7 12 „
16	18.464	19.86	76.8	29.00	76.6	.0544	.9069	19.52.5	C	8 12 „
17	19.218	20.09	78.0	29.03	77.1	.0581	.9072	19.52.1	N	9 12 „
18	20.179	20.23	79.8	28.99	78.2	.0604	.9067	19.51.7	N	10 12 „
19	20.659	20.23	81.0	28.87	79.0	.0604	.9054	19.51.2	N	11 12 „
20	20.590	20.07	81.6	28.75	80.0	.0579	.9041	19.51.0	N	Noon.
21	21.071	20.05	82.0	28.75	80.0	.0575	.9041	19.51.0	L	1 12 p. m.
22	21.139	19.67	82.0	28.62	80.8	.0514	.9027	19.51.4	L	2 12 „
23	21.071	19.28	82.0	28.53	80.9	.0438	.9017	19.51.9	L	3 12 „

On the 2nd, at about 19h., Dip as obtained by Observation was 19°13'7.

DAILY OBSERVATIONS FROM 4TH TO 7TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 4th—Noon	20·453	18.94	81°2	28.45	80°7	8.0835	2.9008	19°52′1	L	4 12 p. m.
1	20.316	18.69	80.4	28.54	80.3	.0352	.9018	19.53.0	C	5 12 ,,
2	20.933	18.39	79.8	28.67	80.0	.0293	.9032	19.54.3	C	6 12 ,,
3	20.659	17.93	79.3	28.54	79.7	.0220	.9018	19.54.7	C	7 12 ,,
4	21.002	17.89	79.0	28.60	79.4	.0143	.9025	19.56.1	C	8 12 ,,
5	21.758	18.05	78.8	28.69	79.1	.0248	.9034	19.54.9	N	9 12 ,,
6	21.345	17.96	77.9	28.58	78.8	.0214	.9022	19.55.0	N	10 12 ,,
7	20.385	18.37	78.2	28.68	78.8	.0301	.9033	19.54.3	N	11 12 ,,
8	19.639	19.10	78.3	28.58	78.8	.0420	.9022	19.52.2	N	Midnight.
9	20.659	18.80	78.1	28.82	78.5	.0371	.9049	19.54.0	L	1 12 a. m.
10	20.385	18.57	78.0	28.75	78.4	.0333	.9041	19.54.2	L	2 12 ,,
11	19.767	18.83	77.9	28.77	78.3	.0375	.9043	19.53.7	L	3 12 ,,
12	19.493	18.90	77.8	28.76	78.0	.0387	.9042	19.53.4	L	4 12 ,,
13	18.944	18.84	77.3	28.73	77.8	.0377	.9039	19.53.5	C	5 12 ,,
14	18.601	18.92	76.9	28.80	77.4	.0391	.9047	19.53.7	C	6 12 ,,
15	17.778	18.97	77.2	28.80	77.3	.0399	.9047	19.53.6	C	7 12 ,,
16	18.601	19.25	78.0	28.91	77.7	.0434	.9059	19.53.6	C	8 12 ,,
17	18.944	19.27	78.4	28.87	78.2	.0438	.9054	19.53.3	N	9 12 ,,
18	18.807	19.55	80.0	28.87	79.0	.0493	.9054	19.52.6	N	10 12 ,,
19	19.184	19.88	81.8	29.01	80.1	.0546	.9070	19.52.4	N	11 12 ,,
20	19.561	19.96	83.0	28.85	81.8	.0561	.9052	19.51.6	N	Noon.
21	19.904	19.62	83.4	28.71	82.0	.0506	.9037	19.51.8	L	1 12 p. m.
22	20.110	19.36	83.3	28.63	82.0	.0463	.9028	19.52.0	L	2 12 ,,
23	20.247	19.19	83.1	28.52	82.3	.0434	.9016	19.51.9	L	3 12 ,,
Dec. 5th—Noon	20.110	19.10	82.1	28.45	81.8	.0420	.9008	19.51.7	L	4 12 ,,
1	20.179	18.98	81.4	28.45	81.5	.0399	.9008	19.52.0	C	5 12 ,,
2	20.247	18.99	80.7	28.53	81.0	.0401	.9017	19.52.4	C	6 12 ,,
3	19.973	18.90	80.0	28.52	80.6	.0387	.9016	19.52.4	C	7 12 ,,
4	20.042	18.93	79.5	28.47	80.2	.0391	.9010	19.52.2	C	8 12 ,,
5	19.836	18.89	79.2	28.50	80.0	.0385	.9014	19.52.3	N	9 12 ,,
6	19.973	18.91	78.9	28.54	79.5	.0388	.9018	19.52.5	N	10 12 ,,
7	19.904	18.84	78.5	28.57	79.1	.0377	.9021	19.52.8	N	11 12 ,,
8	19.904	18.87	78.0	28.60	79.0	.0383	.9025	19.53.0	N	Midnight.
9	19.836	18.97	78.1	28.68	78.7	.0399	.9033	19.53.0	L	1 12 a. m.
10	19.699	18.97	77.7	28.64	78.1	.0399	.9029	19.52.8	L	2 12 ,,
11	19.699	19.01	77.5	28.74	78.1	.0404	.9040	19.53.3	L	3 12 ,,
12	19.424	18.99	77.1	28.79	77.9	.0401	.9045	19.53.5	L	4 12 ,,
13	19.081	19.30	77.2	28.76	77.9	.0453	.9042	19.52.6	C	5 12 ,,
14	18.875	19.25	77.1	28.77	77.8	.0434	.9043	19.53.0	C	6 12 ,,
15	19.013	19.44	77.4	28.81	77.7	.0475	.9048	19.52.6	C	7 12 ,,
16	19.356	19.51	78.0	28.86	78.0	.0486	.9053	19.52.6	C	8 12 ,,
17	19.630	19.80	79.3	28.77	78.4	.0534	.9043	19.51.7	N	9 12 ,,
18	19.836	19.93	80.8	28.76	79.4	.0555	.9042	19.51.2	N	10 12 ,,
19	20.179	19.95	81.8	28.68	80.0	.0559	.9030	19.50.9	N	11 12 ,,
20	20.110	19.96	82.5	28.73	81.0	.0561	.9039	19.51.1	N	Noon.
21	20.659	20.04	83.7	28.63	81.7	.0573	.9028	19.50.6	L	1 12 p. m.
22	20.728	19.72	82.9	28.55	81.6	.0522	.9019	19.50.8	L	2 12 ,,
23	20.179	19.60	82.1	28.45	81.6	.0502	.9018	19.51.1	L	3 12 ,,
Dec. 7th—Noon	20.179	19.72	82.6	28.61	81.7	.0522	.9026	19.51.1	L	4 12 ,,
1	20.247	19.43	81.0	28.65	80.9	.0473	.9030	19.52.0	L	5 12 ,,
2	20.179	19.19	80.4	28.64	80.2	.0434	.9029	19.52.4	L	6 12 ,,
3	19.836	19.13	80.0	28.66	79.9	.0424	.9031	19.52.6	C	7 12 ,,
4	19.904	19.29	79.4	28.72	79.7	.0440	.9038	19.52.7	C	8 12 ,,
5	19.904	19.23	78.9	28.75	79.1	.0432	.9041	19.52.9	N	9 12 ,,
6	20.179	19.11	78.0	28.78	78.8	.0421	.9044	19.53.1	N	10 12 ,,
7	20.385	19.14	77.3	28.83	78.3	.0426	.9050	19.53.3	N	11 12 ,,
8	20.110	19.09	76.5	28.88	77.6	.0417	.9055	19.53.6	L	Midnight.
9	20.042	19.07	76.0	28.86	77.0	.0415	.9053	19.53.5	L	1 12 a. m.
10	19.904	19.08	75.6	28.92	76.7	.0415	.9060	19.53.7	L	2 12 ,,
11	19.699	19.12	75.1	28.99	76.2	.0424	.9067	19.54.0	L	3 12 ,,

On the 5th, at about 19h., Dip as obtained by Observation was 19°08′4. Deflection Observations were taken.

DAILY OBSERVATIONS FROM 7TH TO 9TH DECEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.										h. m.
DEC. 7TH—12	18·738	19.08	75°0	29.06	76°0	8.0415	2.9075	19°54'3	C	4 12 a.m.
13	18.875	19.10	75.0	29.16	76.0	.0420	.9086	19.54.7	U	5 12 „
14	18.944	19.24	75.0	29.15	75.8	.0432	.9085	19.54.6	C	6 12 „
15	18.601	19.36	75.1	29.18	75.5	.0463	.9088	19.54.3	C	7 12 „
16	19.013	19.54	75.7	29.30	75.7	.0491	.9091	19.54.0	C	8 12 „
17	19.287	19.81	77.0	29.38	76.0	.0535	.9099	19.53.7	N	9 12 „
18	19.767	19.94	78.3	29.35	77.0	.0557	.9096	19.53.3	N	10 12 „
19	19.904	19.96	79.2	29.31	77.8	.0561	.9093	19.52.2	N	11 12 „
20	20.179	20.08	80.2	29.26	78.6	.0579	.9091	19.52.9	N	Noon.
21	21.139	20.12	81.1	29.18	79.2	.0588	.9088	19.52.6	L	1 12 p.m.
22	20.590	20.26	81.7	28.82	80.0	.0610	.9049	19.50.9	L	2 12 „
23	19.630	20.05	81.3	28.76	80.3	.0575	.9043	19.51.1	L	3 12 „
DEC. 8TH—Noon	19.699	19.72	80.1	28.84	79.7	.0522	.9051	19.52.1	L	4 12 „
1	19.904	19.31	78.7	28.84	79.1	.0454	.9051	19.53.0	C	5 12 „
2	19.699	18.79	77.9	28.95	78.3	.0368	.9063	19.54.5	C	6 12 „
3	19.424	18.77	77.9	28.95	78.2	.0366	.9063	19.54.5	C	7 12 „
4	19.356	18.98	77.8	29.05	78.0	.0399	.9074	19.54.5	C	8 12 „
5	19.973	18.76	76.8	29.09	77.2	.0364	.9078	19.55.2	N	9 12 „
6	20.042	18.90	76.5	29.17	77.0	.0387	.9087	19.55.2	N	10 12 „
7	20.728	18.76	75.8	29.23	76.5	.0364	.9093	19.55.8	N	11 12 „
8	20.453	18.88	75.8	29.25	76.4	.0383	.9096	19.55.7	N	Midnight.
9	20.110	18.96	75.3	29.26	76.0	.0397	.9099	19.55.5	L	1 12 a.m.
10	19.973	18.85	74.4	29.43	75.3	.0379	.9116	19.56.5	L	2 12 „
11	19.904	18.67	73.2	29.42	74.4	.0350	.9115	19.56.7	L	3 12 „
12	19.493	18.60	72.0	29.38	73.5	.0338	.9110	19.56.8	L	4 12 „
13	19.047	18.76	71.3	29.69	72.9	.0364	.9144	19.57.8	C	5 12 „
14	19.081	18.82	70.9	29.62	72.3	.0375	.9137	19.57.4	C	6 12 „
15	18.670	19.10	71.1	29.76	72.0	.0420	.9152	19.57.3	C	7 12 „
16	19.356	19.33	72.5	29.88	72.7	.0457	.9165	19.57.3	C	8 12 „
17	19.630	19.67	74.0	29.80	73.4	.0514	.9157	19.56.5	N	9 12 „
18	19.836	19.79	75.6	29.67	74.2	.0532	.9142	19.55.5	N	10 12 „
19	19.561	19.80	76.8	29.40	75.3	.0534	.9113	19.54.4	N	11 12 „
20	19.630	19.81	78.3	29.37	76.4	.0535	.9109	19.54.1	N	Noon.
21	20.247	19.73	79.6	29.31	77.6	.0522	.9103	19.54.0	L	1 12 p.m.
22	20.042	19.82	80.8	29.12	78.9	.0538	.9082	19.53.0	L	2 12 „
23	19.287	19.78	81.4	29.08	79.3	.0530	.9077	19.53.0	L	3 12 „
DEC. 9TH—Noon	19.767	19.59	80.2	29.18	78.8	.0499	.9088	19.53.8	L	4 12 „
1	20.042	19.42	78.9	29.22	78.2	.0473	.9093	19.54.4	C	5 12 „
2	19.904	19.30	78.1	29.23	77.8	.0453	.9094	19.54.6	C	6 12 „
3	19.904	19.30	77.9	29.34	77.7	.0453	.9106	19.55.1	C	7 12 „
4	20.179	19.21	76.8	29.45	77.1	.0427	.9118	19.55.9	C	8 12 „
5	20.590	19.22	75.5	29.50	76.6	.0430	.9124	19.56.1	N	9 12 „
6	20.385	19.16	75.2	29.55	76.2	.0430	.9129	19.56.3	N	10 12 „
7	19.904	19.17	75.3	29.58	76.0	.0432	.9132	19.56.4	N	11 12 „
8	19.973	19.29	75.4	29.63	76.0	.0440	.9138	19.56.6	N	Midnight.
9	19.699	19.25	75.2	29.63	75.9	.0434	.9138	19.56.7	L	1 12 a.m.
10	19.630	19.20	75.0	29.67	75.6	.0426	.9142	19.56.8	L	2 12 „
11	19.356	19.24	75.0	29.68	75.2	.0432	.9143	19.56.9	L	3 12 „
12	19.081	19.38	74.9	29.69	75.0	.0465	.9144	19.56.4	L	4 12 „
13	19.081	19.41	74.8	29.60	75.2	.0470	.9135	19.56.1	C	5 12 „
14	18.875	19.37	74.6	29.47	75.0	.0465	.9120	19.55.5	C	6 12 „
15	18.738	19.54	74.6	29.63	74.8	.0491	.9138	19.55.9	C	7 12 „
16	19.699	19.74	75.1	29.77	74.9	.0524	.9153	19.56.1	C	8 12 „
17	20.042	20.14	76.5	29.78	75.4	.0590	.9154	19.55.2	N	9 12 „
18	20.659	20.28	77.8	29.74	76.3	.0612	.9150	19.54.9	N	10 12 „
19	20.522	20.34	79.4	29.68	77.5	.0622	.9143	19.54.4	N	11 12 „
20	20.738	20.31	81.0	29.67	78.9	.0617	.9142	19.54.3	N	Noon.
21	21.276	20.28	82.9	29.45	80.0	.0612	.9118	19.53.6	L	1 12 p.m.
22	20.933	20.22	84.1	29.17	81.5	.0604	.9087	19.52.5	L	2 12 „
23	20.659	20.06	84.3	29.08	82.0	.0577	.9077	19.52.4	L	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 18°56'6.

DAILY OBSERVATIONS FROM 10TH TO 12TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	'									h. m.
Dec. 10th–Noon	20'316	19.88	83°0	28.99	81°2	8.0546	2.9067	19°52'3	L	4 12 p. m.
1	20.042	19.68	81.3	29.03	80.5	.0514	.9072	19.53.0	C	5 12 ,,
2	20.042	19.54	80.3	29.14	80.0	.0491	.9084	19.53.7	C	6 12 ,,
3	20.042	19.39	79.5	29.31	79.5	.0467	.9103	19.54.8	C	7 12 ,,
4	20.179	19.27	78.9	29.39	79.1	.0438	.9111	19.55.5	C	8 12 ,,
5	20.316	19.22	78.2	29.46	78.8	.0430	.9119	19.55.9	N	9 12 ,,
6	20.179	19.27	78.0	29.46	78.6	.0438	.9119	19.55.8	N	10 12 ,,
7	19.904	19.30	78.0	29.46	78.5	.0453	.9119	19.55.6	N	11 12 ,,
8	20.042	19.24	77.8	29.50	78.2	.0432	.9124	19.56.1	N	Midnight.
9	19.973	19.23	77.4	29.49	77.9	.0430	.9122	19.56.0	L	1 12 a. m.
10	19.630	19.33	77.5	29.53	77.7	.0457	.9127	19.55.9	L	2 12 ,,
11	19.561	19.36	77.5	29.56	77.7	.0469	.9130	19.55.9	L	3 12 ,,
12	19.493	19.39	77.5	29.57	77.4	.0477	.9131	19.55.8	L	4 12 ,,
13	19.150	19.50	77.4	29.62	77.4	.0485	.9137	19.55.9	C	5 12 ,,
14	18.738	19.49	76.9	29.54	77.2	.0473	.9128	19.55.8	C	6 12 ,,
15	19.150	19.67	76.9	29.57	77.1	.0514	.9131	19.55.4	C	7 12 ,,
16	19.150	19.83	77.5	29.59	77.2	.0538	.9133	19.55.1	C	8 12 ,,
17	18.875	20.14	78.8	29.43	77.8	.0590	.9116	19.53.7	N	9 12 ,,
18	18.807	20.33	80.5	29.36	78.8	.0620	.9108	19.52.0	N	10 12 ,,
19	18.395	20.38	81.9	29.32	80.0	.0628	.9104	19.52.7	N	11 12 ,,
20	18.395	20.38	83.3	29.48	81.0	.0628	.9121	19.53.4	N	Noon.
21	19.424	20.31	84.6	29.61	82.0	.0617	.9136	19.54.1	L	1 12 p. m.
22	20.247	20.31	85.7	29.54	83.2	.0617	.9128	19.53.8	L	2 12 ,,
23	20.247	20.31	86.2	29.38	83.9	.0617	.9110	19.53.1	L	3 12 ,,
Dec. 11th–Noon	19.836	20.10	85.7	29.17	83.6	.0584	.9087	19.52.8	L	4 12 ,,
1	19.630	19.76	84.8	29.10	83.4	.0528	.9080	19.53.1	C	5 12 ,,
2	19.904	19.30	83.3	29.15	82.6	.0453	.9085	19.54.3	C	6 12 ,,
3	19.699	19.07	82.5	29.16	82.1	.0415	.9086	19.54.7	C	7 12 ,,
4	19.973	19.06	82.1	29.21	81.8	.0413	.9092	19.55.1	C	8 12 ,,
5	20.110	19.18	81.4	29.24	81.3	.0432	.9095	19.55.0	N	9 12 ,,
6	20.042	19.27	81.0	29.23	81.0	.0438	.9094	19.54.8	N	10 12 ,,
7	20.316	19.31	80.9	29.33	81.0	.0454	.9105	19.56.1	N	11 12 ,,
8	20.247	19.41	81.0	29.33	80.9	.0470	.9105	19.54.9	N	Midnight.
9	20.385	19.55	81.0	29.33	80.9	.0493	.9105	19.54.6	L	1 12 a. m.
10	20.179	19.58	81.0	29.37	80.9	.0497	.9109	19.54.6	L	2 12 ,,
11	19.767	19.60	80.7	29.32	80.6	.0502	.9104	19.54.4	L	3 12 ,,
12	19.150	19.62	80.6	29.32	80.6	.0506	.9104	19.54.3	L	4 12 ,,
13	18.807	19.59	80.5	29.27	80.5	.0499	.9098	19.54.2	C	5 12 ,,
14	18.464	19.74	80.5	29.32	80.5	.0524	.9104	19.54.1	C	6 12 ,,
15	18.189	19.95	80.4	29.27	80.3	.0559	.9098	19.53.4	C	7 12 ,,
16	18.738	20.32	80.9	29.34	80.3	.0620	.9106	19.52.9	C	8 12 ,,
17	19.218	20.64	82.0	29.38	80.8	.0671	.9110	19.52.5	N	9 12 ,,
18	19.218	20.73	83.3	29.35	81.5	.0686	.9107	19.52.1	N	10 12 ,,
19	19.699	20.74	84.8	29.30	82.7	.0688	.9102	19.51.8	N	11 12 ,,
20	20.728	20.63	85.9	29.36	83.6	.0669	.9108	19.52.4	N	Noon.
21	21.482	20.43	86.7	29.24	84.0	.0637	.9095	19.52.3	L	1 12 p. m.
22	21.276	20.07	86.1	29.03	84.2	.0579	.9072	19.52.1	L	2 12 ,,
23	20.659	20.01	85.6	28.88	84.2	.0568	.9055	19.51.7	L	3 12 ,,
Dec. 12th–Noon	19.973	19.88	84.9	28.86	84.0	.0546	.9053	19.51.8	L	4 12 ,,
1	19.561	19.77	84.0	28.88	83.8	.0520	.9055	19.52.3	C	5 12 ,,
2	19.904	19.55	82.9	28.95	83.1	.0493	.9063	19.52.9	C	6 12 ,,
3	19.767	19.25	82.0	28.96	82.5	.0434	.9064	19.53.7	C	7 12 ,,
4	20.453	19.07	81.6	29.10	82.1	.0415	.9080	19.54.5	C	8 12 ,,
5	20.385	18.93	81.3	29.16	82.0	.0391	.9086	19.55.1	N	9 12 ,,
6	20.179	18.97	81.1	29.09	81.9	.0399	.9078	19.54.7	N	10 12 ,,
7	20.179	19.05	81.0	29.15	81.8	.0411	.9085	19.54.9	N	11 12 ,,
8	19.904	19.07	80.9	29.14	81.4	.0415	.9084	19.54.6	N	Midnight.
9	19.836	19.28	80.6	29.16	81.0	.0438	.9086	19.54.5	L	1 12 a. m.
10	19.767	19.28	80.4	29.16	80.8	.0438	.9086	19.54.5	L	2 12 ,,
11	19.081	19.20	80.0	29.28	80.5	.0426	.9099	19.55.1	L	3 12 ,,

On the 11th, at about 19h., Dip as obtained by Observation was 19°22'5.

DAILY OBSERVATIONS FROM 12TH TO 15TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 12th—12	19'218	19.41	80°0	29.19	80°3	8.0470	2.9089	19°54'2	L	4 12 a. m.
13	18.670	19.47	80.0	29.20	80.3	.0481	.9091	19.54.2	C	5 12 „
14	18.395	19.57	80.2	29.21	80.4	.0497	.9092	19.53.9	C	6 12 „
15	18.189	19.60	80.3	29.22	80.2	.0502	.9093	19.54.0	C	7 12 „
16	18.327	19.82	81.1	29.28	80.4	.0538	.9099	19.53.7	C	8 12 „
17	18.944	20.04	82.3	29.33	80.9	.0573	.9105	19.53.6	N	9 12 „
18	19.424	20.25	83.6	29.30	82.0	.0608	.9102	19.52.9	N	10 12 „
19	19.252	20.43	84.7	29.08	82.7	.0637	.9077	19.51.6	N	11 12 „
20	20.144	20.23	85.8	29.11	83.8	.0604	.9081	19.52.2	N	Noon.
21	20.659	20.09	85.8	28.96	83.8	.0581	.9064	19.51.8	L	1 12 p. m.
22	21.002	19.99	86.0	28.88	84.1	.0565	.9055	19.51.7	L	2 12 „
23	21.071	19.92	86.0	28.86	84.8	.0555	.9053	19.51.7	L	3 12 „
Dec. 14th—Noon	20.042	19.44	85.2	28.66	85.0	.0475	.9031	19.51.9	N	4 12 „
1	19.904	19.13	83.2	28.52	83.8	.0424	.9016	19.52.0	N	5 12 „
2	20.042	19.10	82.0	28.68	82.5	.0420	.9033	19.52.7	N	6 12 „
3	19.973	19.05	81.1	28.75	82.1	.0411	.9041	19.53.2	C	7 12 „
4	19.801	19.03	80.5	28.80	81.7	.0407	.9047	19.53.5	C	8 12 „
5	19.767	19.14	80.4	28.83	81.3	.0426	.9050	19.53.3	N	9 12 „
6	19.836	19.22	80.3	28.84	81.3	.0430	.9051	19.53.3	N	10 12 „
7	19.561	19.22	80.2	28.88	81.0	.0430	.9055	19.53.5	N	11 12 „
8	19.699	19.43	80.3	28.93	81.0	.0473	.9061	19.53.1	N	Midnight.
9	19.699	19.46	80.6	28.95	81.0	.0479	.9063	19.53.1	L	1 12 a. m.
10	19.767	19.40	80.4	28.97	80.8	.0469	.9065	19.53.3	L	2 12 „
11	19.973	19.15	79.6	29.01	80.2	.0428	.9070	19.54.0	L	3 12 „
12	19.973	19.21	79.0	28.95	80.0	.0427	.9063	19.53.7	L	4 12 „
13	19.150	19.29	78.8	28.97	79.8	.0440	.9065	19.53.7	C	5 12 „
14	18.978	19.32	78.0	29.02	79.4	.0457	.9071	19.53.6	C	6 12 „
15	18.601	19.38	78.5	29.12	79.1	.0465	.9082	19.53.9	C	7 12 „
16	19.561	19.58	79.4	29.16	79.4	.0497	.9086	19.53.7	C	8 12 „
17	20.042	19.84	80.5	29.02	80.0	.0540	.9071	19.52.6	N	9 12 „
18	19.356	20.01	81.3	28.71	80.3	.0568	.9037	19.51.0	N	10 12 „
19	18.670	20.15	81.8	28.87	80.8	.0592	.9054	19.51.3	N	11 12 „
20	19.218	20.07	82.3	28.74	81.0	.0579	.9040	19.51.0	N	Noon.
21	19.699	20.03	82.9	28.77	81.6	.0571	.9043	19.51.2	L	1 12 p. m.
22	19.699	19.85	83.0	28.72	82.0	.0542	.9038	19.51.4	L	2 12 „
23	20.042	20.08	82.4	28.84	82.1	.0579	.9051	19.51.4	L	3 12 „
Dec. 15th—Noon	20.590	19.50	81.5	28.84	82.0	.0485	.9051	19.52.5	L	4 12 „
1	20.590	19.29	80.5	28.76	81.2	.0440	.9041	19.52.8	C	5 12 „
2	20.110	19.18	79.9	28.77	80.8	.0432	.9043	19.53.0	C	6 12 „
3	19.836	19.21	79.7	28.83	80.4	.0427	.9050	19.53.3	C	7 12 „
4	19.767	19.25	79.4	28.96	80.2	.0434	.9064	19.53.7	C	8 12 „
5	20.110	19.14	78.7	28.84	79.7	.0424	.9051	19.53.4	N	9 12 „
6	19.904	19.16	78.1	28.89	79.1	.0430	.9056	19.53.5	N	10 12 „
7	19.767	19.17	77.7	28.98	78.8	.0432	.9066	19.53.8	N	11 12 „
8	19.699	19.25	78.0	29.09	78.8	.0434	.9078	19.54.3	N	Midnight.
9	19.836	19.39	78.0	29.14	78.6	.0467	.9084	19.54.0	L	1 12 a. m.
10	19.630	19.38	77.7	29.11	78.2	.0465	.9081	19.53.9	L	2 12 „
11	19.973	19.15	76.8	29.16	77.8	.0428	.9086	19.54.6	L	3 12 „
12	19.699	19.47	76.6	29.18	77.4	.0481	.9088	19.54.1	L	4 12 „
13	19.973	19.30	76.3	29.22	77.2	.0459	.9093	19.54.5	C	5 12 „
14	19.493	19.18	75.5	29.25	76.6	.0432	.9096	19.55.0	C	6 12 „
15	19.013	19.21	75.5	29.48	76.1	.0427	.9110	19.55.6	C	7 12 „
16	20.213	19.37	75.5	29.62	76.0	.0465	.9137	19.56.2	C	8 12 „
17	20.453	19.63	76.9	29.47	76.4	.0506	.9120	19.55.0	N	9 12 „
18	19.354	19.82	78.0	29.11	77.0	.0538	.9081	19.53.0	N	10 12 „
19	18.532	20.01	78.8	29.05	77.8	.0568	.9074	19.52.2	N	11 12 „
20	19.150	19.95	79.7	29.21	78.2	.0559	.9092	19.53.1	N	Noon.
21	20.179	19.84	80.3	29.25	79.0	.0540	.9096	19.53.6	L	1 12 p. m.
22	20.453	19.79	80.5	29.18	79.2	.0532	.9088	19.53.4	L	2 12 „
23	20.522	19.66	80.3	29.15	79.7	.0512	.9085	19.53.6	L	3 12 „

On the 12th, at about 19h., Deflection Observations were taken.
On the 15th, at about 19h., Dip as obtained by Observation was 19°10'9.

DAILY OBSERVATIONS FROM 16TH TO 18TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 16th-Noon	20°590	19.55	79°7	29.16	79°4	8.0493	2.9081	19°53'8	L	4 12 p. m.
1	20.110	19.47	78.8	29.12	78.9	.0481	.9082	19.53.8	C	5 12 „
2	19.836	19.23	78.1	29.17	78.5	.0430	.9087	19.54.7	C	6 12 „
3	19.836	19.15	78.0	29.19	78.3	.0428	.9089	19.54.7	C	7 12 „
4	19.733	19.13	77.6	29.22	78.0	.0424	.9093	19.55.0	C	8 12 „
5	19.630	18.95	77.1	29.24	77.8	.0395	.9095	19.55.4	N	9 12 „
6	19.904	18.84	76.0	29.23	77.0	.0377	.9094	19.55.6	N	10 12 „
7	20.385	19.13	75.7	29.27	76.4	.0424	.9098	19.55.2	N	11 12 „
8	19.801	18.95	75.3	29.34	76.2	.0395	.9106	19.55.8	N	Midnight.
9	19.424	18.99	75.1	29.38	76.0	.0401	.9110	19.56.0	L	1 12 a. m.
10	19.630	19.07	75.0	29.43	75.9	.0415	.9116	19.55.9	L	2 12 „
11	18.807	19.53	75.2	29.51	75.8	.0489	.9125	19.55.4	L	3 12 „
12	19.218	19.57	75.4	29.55	75.8	.0497	.9129	19.55.4	L	4 12 „
13	18.738	19.33	75.1	29.58	75.6	.0457	.9132	19.56.0	C	5 12 „
14	18.944	19.59	75.2	29.56	75.4	.0499	.9130	19.55.5	C	6 12 „
15	18.327	19.53	75.3	29.62	75.2	.0489	.9137	19.55.9	C	7 12 „
16	19.218	19.72	76.1	29.74	75.6	.0522	.9146	19.55.8	C	8 12 „
17	19.699	20.17	77.5	29.63	76.0	.0596	.9138	19.54.5	N	9 12 „
18	19.287	20.21	78.8	29.39	77.0	.0601	.9111	19.53.4	N	10 12 „
19	18.532	20.34	79.9	29.32	78.0	.0623	.9104	19.52.8	N	11 12 „
20	18.944	20.54	81.5	29.27	79.1	.0655	.9098	19.52.1	N	Noon.
21	20.453	19.95	82.5	29.28	80.0	.0569	.9099	19.53.3	L	1 12 p. m.
22	21.345	19.70	82.4	29.21	80.4	.0518	.9092	19.53.6	L	2 12 „
23	21.208	19.60	82.0	29.18	80.8	.0502	.9088	19.53.8	L	3 12 „
Dec. 17th-Noon	20.933	19.41	81.4	29.12	80.7	.0470	.9082	19.53.9	L	4 12 „
1	20.316	19.36	80.5	28.96	80.2	.0463	.9064	19.53.3	C	5 12 „
2	19.836	19.18	79.8	29.05	79.8	.0432	.9074	19.54.1	C	6 12 „
3	20.179	18.88	79.1	29.13	79.2	.0383	.9083	19.55.3	C	7 12 „
4	20.110	18.55	78.7	29.09	79.0	.0329	.9076	19.55.5	C	8 12 „
5	21.139	19.03	78.3	29.16	78.8	.0409	.9086	19.54.7	N	9 12 „
6	20.385	18.44	77.9	29.08	78.6	.0311	.9087	19.56.3	N	10 12 „
7	20.316	18.57	77.3	29.08	78.1	.0333	.9087	19.56.0	N	11 12 „
8	20.110	18.76	77.1	29.14	77.9	.0364	.9084	19.55.4	N	Midnight.
9	19.699	19.07	76.8	29.16	77.9	.0415	.9086	19.54.7	L	1 12 a. m.
10	19.836	19.12	77.7	29.26	77.8	.0424	.9097	19.55.2	L	2 12 „
11	19.424	18.99	77.2	29.25	77.3	.0399	.9096	19.55.4	L	3 12 „
12	19.218	19.10	76.8	29.25	77.0	.0420	.9096	19.55.1	L	4 12 „
13	18.875	19.17	76.4	29.31	77.0	.0432	.9103	19.55.3	C	5 12 „
14	19.356	19.26	76.3	29.36	77.0	.0436	.9108	19.55.4	C	6 12 „
15	19.424	19.19	76.7	29.29	77.0	.0434	.9100	19.55.2	C	7 12 „
16	19.699	19.33	77.4	29.21	77.1	.0457	.9092	19.54.4	C	8 12 „
17	19.356	19.60	78.8	29.23	77.6	.0502	.9094	19.54.0	N	9 12 „
18	18.738	19.63	79.8	29.09	78.0	.0514	.9078	19.53.3	N	10 12 „
19	18.258	19.89	81.3	28.98	79.3	.0548	.9066	19.52.2	N	11 12 „
20	18.395	20.01	82.7	29.06	80.3	.0568	.9075	19.52.4	N	Noon.
21	19.218	19.90	82.6	29.08	80.6	.0551	.9077	19.52.7	L	1 12 p. m.
22	19.699	19.91	82.8	29.01	81.0	.0552	.9070	19.52.4	L	2 12 „
23	20.042	19.66	82.6	28.96	81.3	.0512	.9064	19.52.7	L	3 12 „
Dec. 18th-Noon	20.179	19.55	82.0	28.93	81.1	.0493	.9061	19.52.8	L	4 12 „
1	20.179	19.40	80.9	28.83	80.9	.0469	.9050	19.52.8	C	5 12 „
2	19.904	19.18	80.1	28.93	80.3	.0432	.9061	19.53.6	C	6 12 „
3	19.973	19.02	79.8	28.97	80.0	.0407	.9065	19.54.1	C	7 12 „
4	19.973	18.96	79.1	29.02	79.6	.0397	.9071	19.54.4	C	8 12 „
5	19.973	18.82	78.7	29.06	79.2	.0375	.9075	19.54.9	N	9 12 „
6	20.110	18.84	78.0	29.02	78.8	.0377	.9071	19.54.7	N	10 12 „
7	20.247	18.90	77.5	29.12	78.4	.0387	.9082	19.54.9	N	11 21 „
8	20.522	19.02	77.4	29.15	78.2	.0407	.9085	19.54.9	N	Midnight.
9	20.522	18.92	77.4	29.20	78.0	.0391	.9091	19.55.3	L	1 12 a. m.
10	20.385	18.85	77.1	29.19	77.8	.0379	.9089	19.54.4	L	2 12 „
11	20.247	19.08	76.9	29.25	77.8	.0415	.9096	19.55.1	L	3 12 „

DAILY OBSERVATIONS FROM 18TH TO 21ST DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 18th—12	19°904	19.06	76°7	29.24	77°4	8.0413	2.9095	19°55′3	L	4 12 a. m.
13	19.836	19.07	76.7	29.28	77.4	.0415	.9099	19.55.2	C	5 12 „
14	19.767	19.07	76.4	29.31	77.2	.0415	.9103	19.55.4	C	6 12 „
15	19.184	19.04	76.2	29.26	76.7	.0409	.9097	19.55.4	C	7 12 „
16	19.630	19.15	76.5	29.55	76.7	.0428	.9139	19.56.7	C	8 12 „
17	20.316	19.39	77.8	29.51	77.0	.0467	.9125	19.55.7	N	9 12 „
18	20.042	19.69	79.3	29.34	78.0	.0514	.9106	19.54.4	N	10 12 „
19	19.150	19.79	80.5	29.19	79.0	.0532	.9089	19.52.4	N	11 12 „
20	19.081	20.02	81.9	29.22	79.9	.0571	.9093	19.53.1	N	Noon.
21	19.287	19.98	83.0	29.18	80.7	.0565	.9088	19.52.9	L	1 12 p. m.
22	19.767	19.89	83.0	29.13	81.0	.0548	.9083	19.52.9	L	2 12 „
23	20.316	19.71	82.8	29.12	81.3	.0519	.9082	19.53.2	L	3 12 „
Dec. 19th-Noon	20.728	19.58	81.9	29.05	81.1	.0497	.9074	19.53.2	L	4 12 „
1	20.247	19.43	81.0	28.97	80.9	.0473	.9065	19.53.3	C	5 12 „
2	20.247	19.28	80.1	29.09	80.4	.0438	.9078	19.54.2	C	6 12 „
3	20.042	19.27	80.0	29.11	80.3	.0438	.9081	19.54.3	C	7 12 „
4	20.042	19.24	79.8	29.13	79.9	.0432	.9083	19.54.5	C	8 12 „
5	20.110	19.07	78.8	29.08	79.2	.0415	.9077	19.54.4	N	9 12 „
6	19.973	19.15	78.5	29.12	79.0	.0428	.9082	19.54.4	N	10 12 „
7	19.595	19.34	78.8	29.17	79.0	.0459	.9087	19.54.3	N	11 12 „
8	19.424	19.21	78.5	29.18	78.8	.0429	.9088	19.54.7	N	Midnight.
9	19.424	19.13	78.0	29.25	78.2	.0424	.9096	19.55.1	L	1 12 a. m.
10	19.493	19.21	77.7	29.26	78.0	.0427	.9097	19.55.1	L	2 12 „
11	18.944	19.17	77.3	29.24	77.9	.0432	.9095	19.55.0	L	3 12 „
12	19.218	19.17	76.2	29.27	77.3	.0432	.9098	19.55.1	L	4 12 „
13	18.875	19.21	76.2	29.35	77.3	.0427	.9107	19.55.5	C	5 12 „
14	18.944	19.36	76.3	29.53	77.0	.0463	.9127	19.55.9	C	6 12 „
15	19.081	19.26	76.3	29.52	76.7	.0436	.9126	19.56.1	C	7 12 „
16	19.424	19.38	76.9	29.61	76.9	.0465	.9136	19.56.1	C	8 12 „
17	20.522	19.52	77.6	29.57	77.0	.0489	.9121	19.55.2	N	9 12 „
18	19.836	19.86	79.5	29.34	78.0	.0544	.9106	19.54.0	N	10 12 „
19	19.424	20.05	80.4	29.26	78.8	.0575	.9097	19.53.2	N	11 12 „
20	19.561	20.19	81.3	29.28	79.2	.0598	.9099	19.52.9	N	Noon.
21	19.767	20.25	81.9	29.23	80.0	.0608	.9094	19.52.6	L	1 12 p. m.
22	20.042	20.07	82.0	29.16	80.2	.0579	.9086	19.52.7	L	2 12 „
23	20.385	19.96	81.8	29.13	80.4	.0561	.9083	19.52.8	L	3 12 „
Dec. 21st-Noon	20.659	19.74	80.5	29.16	79.9	.0524	.9086	19.53.4	C	4 12 „
1	20.385	19.45	79.8	29.14	79.7	.0477	.9084	19.53.9	C	5 12 „
2	19.904	19.19	79.2	29.15	79.3	.0434	.9085	19.54.6	C	6 12 „
3	20.247	18.87	78.7	29.28	79.0	.0383	.9099	19.55.8	C	7 12 „
4	20.042	18.95	78.5	29.24	78.8	.0395	.9095	19.55.4	C	8 12 „
5	19.973	19.23	78.3	29.26	78.5	.0432	.9097	19.55.1	N	9 12 „
6	19.767	19.24	78.0	29.35	78.3	.0432	.9107	19.55.5	N	10 12 „
7	19.836	19.24	77.6	29.36	78.0	.0432	.9108	19.55.5	N	11 12 „
8	19.699	19.37	77.4	29.41	77.8	.0465	.9114	19.55.2	N	Midnight.
9	19.904	19.34	77.4	29.45	77.5	.0459	.9118	19.55.5	L	1 12 a. m.
10	19.699	19.39	77.5	29.45	77.6	.0467	.9118	19.55.4	L	2 12 „
11	19.493	19.37	77.3	29.48	77.6	.0465	.9121	19.55.5	L	3 12 „
12	19.493	19.28	77.0	29.42	77.2	.0438	.9115	19.55.7	L	4 12 „
13	19.287	19.36	76.8	29.30	77.0	.0463	.9102	19.54.8	C	5 12 „
14	19.150	19.35	76.6	29.23	77.0	.0461	.9094	19.54.5	C	6 12 „
15	19.081	19.23	76.8	29.31	76.9	.0432	.9103	19.55.3	C	7 12 „
16	20.110	19.41	77.5	29.50	77.0	.0470	.9124	19.55.6	C	8 12 „
17	20.385	19.71	78.6	29.32	77.3	.0519	.9104	19.54.1	N	9 12 „
18	19.630	20.01	80.3	29.25	78.4	.0563	.9096	19.53.2	N	10 12 „
19	19.424	20.21	81.3	29.10	79.2	.0601	.9080	19.52.2	N	11 12 „
20	19.767	20.34	82.6	28.96	80.6	.0622	.9064	19.51.2	N	Noon.
21	20.247	20.23	83.1	28.87	81.0	.0604	.9054	19.51.2	L	1 12 p. m.
22	20.453	20.12	83.3	28.80	81.4	.0588	.9047	19.51.1	L	2 12 „
23	20.865	20.08	83.5	28.84	82.0	.0579	.9051	19.51.4	L	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 19°00′2.

On the 19th, at about 21h., Deflection Observations were taken. At about 22h. the fixed Meridian observed. Scale Reading 29·765.

DAILY OBSERVATIONS FROM 22ND TO 24TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 22nd-Noon	20°33	19.92	83°3	28.80	82°0	8.0555	2.9047	19°51′5	L	4 12 p. m.
1	20.179	19.60	82.3	28.70	81.7	.0502	.9036	19.51.8	C	5 12 ,,
2	20.042	19.51	81.6	28.79	81.2	.0486	.9045	19.52.3	C	6 12 ,,
3	19.836	19.34	80.9	28.83	80.9	.0459	.9050	19.52.9	C	7 12 ,,
4	19.904	19.26	80.5	28.86	80.5	.0436	.9053	19.53.3	C	8 12 ,,
5	19.836	19.25	80.2	28.90	80.1	.0434	.9058	19.53.6	N	9 12 ,,
6	19.836	19.26	80.0	28.90	80.0	.0436	.9058	19.53.5	N	10 12 ,,
7	19.767	19.29	79.6	28.93	79.8	.0440	.9061	19.53.5	N	11 12 ,,
8	19.595	19.28	79.2	28.98	79.4	.0438	.9066	19.53.7	N	Midnight.
9	19.836	19.28	78.8	28.97	79.0	.0438	.9065	19.53.7	L	1 12 a. m.
10	19.699	19.33	78.6	28.98	78.8	.0457	.9066	19.53.4	L	2 12 ,,
11	19.904	19.28	78.1	29.00	78.4	.0438	.9069	19.53.8	L	3 12 ,,
12	19.699	19.24	77.9	29.05	78.2	.0432	.9074	19.54.1	L	4 12 ,,
13	19.424	19.67	77.4	29.06	77.9	.0514	.9075	19.53.2	C	5 12 ,,
14	19.630	19.21	77.1	28.95	77.7	.0427	.9063	19.53.7	C	6 12 ,,
15	19.218	19.24	77.4	29.06	77.6	.0432	.9075	19.54.2	C	7 12 ,,
16	20.179	19.49	78.3	29.13	78.0	.0483	.9083	19.53.9	C	8 12 ,,
17	20.659	19.70	79.5	29.06	78.6	.0518	.9075	19.53.0	N	9 12 ,,
18	19.973	19.68	80.9	28.83	79.3	.0514	.9050	19.52.3	N	10 12 ,,
19	19.218	20.13	82.4	28.63	80.5	.0588	.9028	19.50.3	N	11 12 ,,
20	19.356	20.05	83.4	28.62	81.6	.0575	.9027	19.50.5	N	Noon.
21	19.767	19.86	84.0	28.62	82.1	.0544	.9027	19.51.0	L	1 12 p. m.
22	20.042	19.98	85.0	28.64	83.0	.0563	.9031	19.50.8	L	2 12 ,,
23	20.110	19.96	85.0	28.60	83.2	.0561	.9025	19.50.6	L	3 12 ,,
Dec. 23rd-Noon	20.247	19.80	84.0	28.57	83.0	.0534	.9021	19.50.8	L	4 12 ,,
1	19.836	19.60	82.8	28.48	82.5	.0502	.9011	19.50.8	C	5 12 ,,
2	19.836	19.42	81.9	28.62	82.0	.0473	.9027	19.51.9	C	6 12 ,,
3	19.699	19.37	81.7	28.66	82.0	.0465	.9031	19.52.0	C	7 12 ,,
4	19.561	19.29	81.0	28.83	81.8	.0440	.9050	19.53.2	C	8 12 ,,
5	19.767	19.35	80.2	28.80	80.7	.0461	.9047	19.52.8	N	9 12 ,,
6	20.247	19.35	79.4	28.82	80.1	.0461	.9049	19.52.8	N	10 12 ,,
7	20.042	19.38	78.9	28.79	79.8	.0465	.9045	19.52.6	N	11 12 ,,
8	19.973	19.31	78.3	28.83	79.2	.0454	.9050	19.53.0	N	Midnight.
9	19.081	19.66	78.0	28.81	78.7	.0512	.9048	19.52.2	L	1 12 a. m.
10	19.150	19.13	78.0	28.88	78.5	.0424	.9055	19.53.6	L	2 12 ,,
11	19.150	19.25	77.8	28.95	78.3	.0434	.9063	19.53.7	L	3 12 ,,
12	18.875	19.30	77.5	28.99	78.0	.0453	.9067	19.53.6	L	4 12 ,,
13	18.738	19.29	77.2	29.00	78.0	.0440	.9078	19.54.2	C	5 12 ,,
14	18.738	19.38	77.0	29.16	77.7	.0465	.9086	19.54.1	C	6 12 ,,
15	18.875	19.34	77.0	29.23	77.6	.0459	.9094	19.54.5	C	7 12 ,,
16	19.904	19.48	77.5	29.33	77.7	.0481	.9005	19.54.8	C	8 12 ,,
17	20.590	19.66	78.8	29.28	78.0	.0512	.9099	19.54.1	N	9 12 ,,
18	20.316	19.72	79.8	29.00	78.6	.0522	.9069	19.52.7	N	10 12 ,,
19	19.561	20.00	81.0	28.86	79.6	.0567	.9053	19.51.6	N	11 12 ,,
20	19.561	20.23	82.2	28.87	80.6	.0604	.9054	19.51.2	N	Noon.
21	19.218	20.28	83.5	28.73	81.4	.0612	.9039	19.50.5	L	1 12 p. m.
22	18.807	20.00	83.5	28.61	81.9	.0567	.9026	19.50.5	L	2 12 ,,
23	19.013	19.59	83.0	28.78	82.0	.0499	.9044	19.52.1	L	3 12 ,,
Dec. 24th-Noon	19.630	19.66	82.4	28.77	81.7	.0512	.9043	19.52.0	L	4 12 ,,
1	19.699	19.40	81.2	28.74	81.2	.0469	.9040	19.52.4	C	5 12 ,,
2	19.904	18.95	80.6	28.79	80.9	.0395	.9045	19.53.5	C	6 12 ,,
3	20.316	18.76	79.8	28.85	80.5	.0359	.9052	19.54.2	C	7 12 ,,
4	20.728	18.63	79.1	28.86	79.8	.0342	.9053	19.54.6	C	8 12 ,,
5	20.385	18.77	78.8	28.88	79.4	.0366	.9055	19.54.3	N	9 12 ,,
6	20.042	19.02	78.0	28.87	79.0	.0407	.9054	19.53.7	N	10 12 ,,
7	20.179	18.87	77.2	28.95	78.3	.0383	.9063	19.54.4	N	11 12 ,,
8	20.042	18.76	76.8	29.05	77.8	.0364	.9073	19.55.0	N	Midnight.
9	19.904	19.05	76.1	28.99	77.4	.0411	.9067	19.54.2	L	1 12 a. m.
10	19.561	19.25	76.0	29.09	77.1	.0434	.9078	19.54.3	L	2 12 ,,
11	19.699	19.24	76.2	29.14	77.0	.0432	.9084	19.54.5	L	3 12 ,,

On the 22nd, at about 20h., Dip as obtained by Observation was 19°05′9.

DAILY OBSERVATIONS FROM 24TH TO 28TH DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.										h. m.
Dec. 24th—12	19·767	19.25	76·0	29.28	76·8	8.0434	2.9099	19°55′1	L	4 12 a. m.
13	19.493	19.15	75.3	29.19	76.4	.0428	.9089	19.54.7	C	5 12 „
14	19.424	19.26	74.7	29.20	75.8	.0436	.9091	19.54.7	C	6 12 „
15	19.390	18.95	74.8	29.40	75.3	.0395	.9113	19.56.1	C	7 12 „
16	20.179	19.28	76.1	29.40	75.9	.0438	.9113	19.55.6	C	8 12 „
17	20.385	19.45	77.4	29.22	76.5	.0477	.9093	19.54.3	N	9 12 „
18	19.561	19.76	79.0	28.93	77.6	.0528	.9061	19.52.3	N	10 12 „
19	19.150	19.81	80.4	28.83	78.6	.0535	.9050	19.51.9	N	11 12 „
20	19.836	19.88	80.9	28.98	79.2	.0546	.9066	19.52.2	N	Noon.
21	20.316	19.79	82.0	28.95	80.0	.0532	.9063	19.52.4	L	1 12 p. m.
22	19.836	19.69	82.1	28.90	80.4	.0516	.9058	19.52.4	L	2 12 „
23	19.493	19.66	82.3	28.93	80.9	.0512	.9061	19.52.6	L	3 12 „
Dec. 25th—Noon	19.973	19.47	81.4	28.92	80.8	.0481	.9060	19.53.0	L	4 12 „
1	20.179	19.31	80.3	28.89	80.0	.0454	.9056	19.53.2	C	5 12 „
2	20.385	18.96	79.8	29.00	79.8	.0397	.9069	19.54.3	C	6 12 „
3	20.247	18.96	79.3	29.06	79.5	.0397	.9075	19.54.6	C	7 12 „
4	20.179	18.94	78.7	29.08	79.1	.0393	.9077	19.54.8	C	8 12 „
5	20.042	18.87	78.0	28.97	78.4	.0383	.9065	19.54.5	N	9 12 „
6	20.110	18.95	77.0	29.04	77.9	.0395	.9073	19.54.5	N	10 12 „
7	19.561	19.05	76.8	28.87	77.4	.0411	.9054	19.53.7	N	11 12 „
8	19.493	19.07	76.9	29.02	77.3	.0415	.9071	19.54.1	N	Midnight.
9	19.493	19.30	76.7	29.11	77.0	.0453	.9081	19.54.1	L	1 12 a. m.
10	19.630	19.30	76.6	29.09	77.0	.0453	.9078	19.54.0	L	2 12 „
11	19.218	19.20	76.0	29.11	76.7	.0426	.9081	19.54.4	L	3 12 „
12	19.493	19.10	75.6	29.03	76.2	.0420	.9072	19.54.1	L	4 12 „
13	19.767	19.10	74.5	29.17	75.5	.0420	.9087	19.54.8	C	5 12 „
14	19.493	19.29	74.7	29.22	75.4	.0440	.9093	19.54.8	C	6 12 „
15	19.630	19.04	74.8	29.33	75.0	.0409	.9105	19.55.7	C	7 12 „
16	20.179	19.18	75.4	29.72	75.1	.0432	.9148	19.57.1	C	8 12 „
17	20.522	19.36	76.8	29.58	76.0	.0463	.9132	19.56.0	N	9 12 „
18	19.424	19.68	78.4	29.23	77.0	.0514	.9094	19.53.9	N	10 12 „
19	18.944	19.93	80.1	29.16	78.0	.0555	.9086	19.52.9	N	11 12 „
20	19.356	19.89	81.0	29.21	78.8	.0548	.9092	19.53.2	N	Noon.
21	19.493	19.77	81.9	29.23	79.7	.0530	.9094	19.53.6	L	1 12 p. m.
22	19.493	19.64	82.0	29.24	80.0	.0508	.9095	19.54.0	L	2 12 „
23	19.630	20.19	82.1	29.25	80.4	.0598	.9096	19.52.8	L	3 12 „
Dec. 28th—Noon	19.150	19.98	83.4	29.75	82.4	.0568	.9046	19.51.4	C	4 12 „
1	19.287	19.88	82.3	29.78	81.9	.0546	.9049	19.51.6	C	5 12 „
2	19.904	19.53	81.0	29.88	81.3	.0489	.9060	19.52.8	C	6 12 „
3	20.385	19.31	80.4	29.87	80.7	.0454	.9059	19.53.3	C	7 12 „
4	20.110	19.20	80.0	30.02	80.2	.0426	.9076	19.54.2	C	8 12 „
5	19.973	19.20	79.5	30.05	79.9	.0426	.9079	19.54.3	C	9 12 „
6	20.247	19.18	79.2	30.19	79.6	.0432	.9094	19.54.9	N	10 12 „
7	20.110	19.10	78.8	30.12	79.2	.0420	.9087	19.54.8	N	11 12 „
8	20.316	19.25	78.7	30.15	79.0	.0434	.9090	19.54.8	N	Midnight.
9	20.110	19.23	78.5	30.19	79.0	.0430	.9094	19.54.9	L	1 12 a. m.
10	19.904	19.06	78.1	30.16	78.6	.0423	.9091	19.54.9	L	2 12 „
11	19.218	18.96	77.8	30.19	78.0	.0397	.9094	19.55.3	L	3 12 „
12	19.150	19.19	77.2	30.30	77.8	.0434	.9107	19.55.5	L	4 12 „
13	18.601	19.18	76.7	30.38	77.2	.0432	.9115	19.55.8	C	5 12 „
14	18.292	19.33	76.2	30.14	76.9	.0457	.9089	19.54.3	C	6 12 „
15	18.875	19.26	76.0	30.37	76.5	.0436	.9114	19.55.6	C	7 12 „
16	19.904	19.38	76.8	30.42	76.6	.0465	.9120	19.55.5	C	8 12 „
17	20.453	19.46	77.6	30.25	76.8	.0479	.9102	19.54.6	N	9 12 „
18	20.179	19.58	79.0	30.12	77.3	.0497	.9077	19.53.4	N	10 12 „
19	20.728	19.60	80.3	30.02	78.1	.0512	.9076	19.53.2	N	11 12 „
20	21.758	19.21	80.8	30.16	78.8	.0427	.9091	19.54.8	N	Noon.
21	21.826	18.95	81.3	29.97	79.1	.0395	.9070	19.54.4	L	1 12 p. m.
22	21.002	18.72	81.6	29.89	79.8	.0356	.9061	19.54.5	L	2 12 „
23	21.208	18.50	81.6	29.86	80.0	.0321	.9058	19.55.0	L	3 12 „

On the 25th, at about 20h., Dip as obtained by Observation was 19°00′2. Deflection Observations were taken. Vertical Force Magnetometer was adjusted anew.

DAILY OBSERVATIONS FROM 29TH TO 31ST DECEMBER 1856.

Date. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1856.
h.	′									h. m.
Dec. 29th-Noon	20·316	18.35	81·0	29.62	80·0	8.0297	2.9032	19°54′2	L	4 12 p. m.
1	19.836	18.45	80.0	29.70	80.0	.0313	.9041	19.54.5	C	5 12 ,,
2	20.247	18.54	79.0	30.02	79.6	.0325	.9076	19.55.5	C	6 12 ,,
3	20.522	17.96	78.9	29.70	79.2	.0214	.9041	19.55.8	C	7 12 ,,
4	20.590	17.71	78.3	29.67	78.8	.0190	.9037	19.55.9	C	8 12 ,,
5	20.385	17.76	77.8	29.75	78.2	.0181	.9046	19.56.4	N	9 12 ,,
6	20.316	17.87	77.4	29.84	78.0	.0196	.9056	19.56.5	N	10 12 ,,
7	20.933	18.12	77.3	29.91	77.6	.0260	.9064	19.55.9	N	11 12 ,,
8	20.247	18.26	77.2	29.93	77.5	.0282	.9066	19.55.8	N	Midnight.
9	20.590	18.37	77.0	30.00	77.2	.0301	.9074	19.55.8	L	1 12 a. m.
10	20.247	18.47	77.0	29.93	77.1	.0317	.9066	19.55.2	L	2 12 ,,
11	19.973	18.55	76.7	29.97	77.0	.0329	.9070	19.55.3	L	3 12 ,,
12	19.630	18.63	76.4	30.03	76.8	.0342	.9077	19.55.5	L	4 12 ,,
13	19.218	18.75	76.0	29.87	76.4	.0362	.9059	19.54.5	C	5 12 ,,
14	19.150	18.82	75.8	30.08	76.2	.0375	.9082	19.55.1	C	6 12 ,,
15	18.601	18.68	75.5	29.87	75.7	.0350	.9059	19.54.6	C	7 12 ,,
16	19.699	19.07	75.9	30.00	75.7	.0415	.9074	19.54.2	C	8 12 ,,
17	20.042	19.42	76.8	29.88	76.0	.0473	.9060	19.53.1	N	9 12 ,,
18	19.836	19.59	78.2	29.63	76.7	.0499	.9033	19.51.7	N	10 12 ,,
19	19.013	19.74	79.6	29.43	77.5	.0524	.8991	19.49.7	N	11 12 ,,
20	19.287	19.78	80.8	29.58	78.8	.0530	.9027	19.51.1	N	Noon.
21	19.973	19.61	81.0	29.61	79.0	.0503	.9031	19.51.6	L	1 12 p. m.
22	20.247	19.39	81.0	29.60	79.3	.0467	.9030	19.52.0	L	2 12 ,,
23	20.728	19.24	80.7	29.67	79.7	.0432	.9048	19.53.2	L	3 12 ,,
Dec. 30th-Noon	20.796	19.13	80.1	29.57	79.7	.0424	.9026	19.52.4	L	4 12 ,,
1	20.042	18.99	79.1	29.58	79.3	.0411	.9027	19.52.7	C	5 12 ,,
2	19.973	18.89	78.2	29.50	78.8	.0385	.9019	19.52.5	C	6 12 ,,
3	20.042	18.83	77.9	29.52	78.3	.0375	.9021	19.52.8	C	7 12 ,,
4	19.904	18.84	77.5	29.49	78.0	.0377	.9017	19.52.7	C	8 12 ,,
5	19.904	18.83	77.2	29.58	78.0	.0375	.9027	19.53.1	N	9 12 ,,
6	19.973	18.99	76.8	29.64	77.3	.0411	.9034	19.52.9	N	10 12 ,,
7	19.973	18.89	76.4	29.69	77.0	.0385	.9039	19.53.3	N	11 12 ,,
8	19.973	18.93	76.2	29.62	76.8	.0391	.9032	19.53.0	N	Midnight.
9	19.630	19.03	76.1	29.65	76.6	.0407	.9035	19.53.0	L	1 12 a. m.
10	19.699	18.92	76.0	29.68	76.5	.0391	.9038	19.53.3	L	2 12 ,,
11	19.493	19.05	75.9	29.77	76.3	.0411	.9048	19.53.5	L	3 12 ,,
12	19.287	18.98	75.3	29.73	76.1	.0399	.9044	19.53.4	L	4 12 ,,
13	19.699	18.94	74.9	29.75	76.0	.0393	.9046	19.53.6	C	5 12 ,,
14	19.287	19.06	74.8	29.74	75.9	.0413	.9045	19.53.4	C	6 12 ,,
15	18.670	19.06	75.0	29.82	75.5	.0413	.9054	19.53.7	C	7 12 ,,
16	19.973	19.30	76.1	29.80	76.0	.0453	.9052	19.53.0	C	8 12 ,,
17	20.316	19.41	76.6	29.68	76.0	.0470	.9038	19.52.3	N	9 12 ,,
18	19.493	19.50	77.0	29.31	76.3	.0485	.8998	19.50.4	N	10 12 ,,
19	18.532	19.75	77.8	29.28	76.8	.0526	.8994	19.49.7	N	11 12 ,,
20	18.738	19.77	78.2	29.30	77.2	.0530	.8997	19.49.9	N	Noon.
21	19.356	19.61	78.3	29.30	77.3	.0503	.8997	19.50.3	N	1 12 p. m.
22	19.904	19.53	78.4	29.33	77.6	.0489	.9000	19.50.5	N	2 12 ,,
23	20.316	19.44	77.7	29.43	77.7	.0475	.9011	19.51.1	C	3 12 ,,
Dec. 31st-Noon	20.522	19.26	77.2	29.43	77.5	.0436	.9011	19.51.6	C	4 12 ,,
1	19.973	19.15	77.0	29.36	77.4	.0428	.9003	19.51.4	C	5 12 ,,
2	19.904	18.99	76.6	29.41	77.0	.0401	.9009	19.52.0	C	6 12 ,,
3	20.042	18.95	76.3	29.46	76.9	.0395	.9014	19.52.2	C	7 12 ,,
4	19.973	19.04	75.9	29.48	76.6	.0409	.9016	19.52.2	C	8 12 ,,
5	19.938	18.95	75.5	29.55	76.3	.0395	.9024	19.52.6	N	9 12 ,,
6	19.904	18.97	75.4	29.54	76.2	.0399	.9023	19.52.6	N	10 12 ,,
7	19.993	18.97	75.2	29.58	76.1	.0399	.9027	19.52.8	N	11 12 ,,
8	19.973	18.93	75.0	29.62	76.0	.0391	.9032	19.53.0	N	Midnight.
9	19.630	18.96	74.7	29.62	75.5	.0397	.9032	19.52.9	L	1 12 a. m.
10	19.836	18.95	74.1	29.61	75.1	.0395	.9031	19.52.9	L	2 12 ,,
11	19.699	18.98	74.0	29.65	75.1	.0399	.9035	19.53.1	L	3 12 ,,

On the 29th, at about 19h., Dip as obtained by Observation was 19°05′0.

OBSERVATIONS OF 31ST DECEMBER 1856.

DATE. Göttingen Mean Time. 1856.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1856.
h.	′		°		°			° ′		h. m.
DEC. 31ST—12	19.493	18.99	73.8	29.65	74.9	8.0401	2.9035	19 53.1	L	4 12 a. m.
13	19.630	19.00	73.6	29.69	74.8	.0403	.9039	19.53.2	C	5 12 „
14	19.424	19.02	73.1	29.49	74.4	.0405	.9017	19.53.3	C	6 12 „
15	19.150	19.21	72.9	29.57	73.9	.0427	.9026	19.52.3	C	7 12 „
16	20.247	19.36	73.0	30.04	73.9	.0463	.9078	19.53.9	C	8 12 „
17	20.570	19.56	73.7	29.76	74.0	.0495	.9047	19.52.3	N	9 12 „
18	18.464	19.84	74.6	29.19	74.5	.0540	.8954	19.48.1	N	10 12 „
19	17.846	19.88	75.8	29.15	75.1	.0546	.8950	19.47.8	N	11 12 „
20	18.395	19.91	76.7	29.23	75.8	.0552	.8987	19.49.2	N	Noon.
21	19.287	19.74	76.8	29.26	76.0	.0524	.8997	19.50.0	L	1 12 p. m.
22	19.424	19.67	76.8	29.44	76.0	.0514	.9012	19.50.7	L	2 12 „
23	20.042	19.45	75.9	29.56	76.2	.0477	.9025	19.51.7	L	3 12 „

OBSERVATIONS OF INCLINATION,

1856.

NOTE.—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATION, 1856.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		POLES DIRECT. Face of Needle. Reversed.		POLES REVERSED. Face of Needle. Direct.		POLES REVERSED. Face of Needle. Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b'' J*	*b''*		
JAN. 1	18°00'0	19°57'5	18°50'0	19°17'5	19°27'5	18°35'0	20°22'5	18°20'0	19°06'2	
4	18.35.0	19.57.5	19.00.0	18.22.5	19.07.5	19.30.0	19.22.5	18.52.5	19.05.9	
9	18.30.0	21.27.5	18.40.0	18.27.5	19.32.5	18.35.0	19.22.5	19.12.5	19.13.4	
11	18.02.5	20.12.5	19.10.0	20.20.0	19.32.5	19.40.0	19.17.5	19.00.0	19.24.4	
15	18.10.0	19.37.5	21.40.0	20.35.0	17.35.0	19.30.0	19.47.5	19.17.5	19.31.5	19°24'3
18	18.55.0	19.42.5	21.15.0	19.50.0	18.02.5	19.10.0	19.42.5	19.00.0	19.27.2	
23	19.00.0	20.22.5	20.25.0	19.40.0	19.47.5	19.10.0	19.27.5	19.40.0	19.41.5	
29	18.40.0	21.57.5	21.20.0	19.20.0	18.40.0	18.40.0	19.25.0	19.50.0	19.44.0	
FEB. 1	18.45.0	19.02.5	20.40.0	19.22.5	20.05.0	19.20.0	19.17.5	19.47.5	19.32.5	
5	19.15.0	19.37.5	19.10.0	18.57.5	18.52.5	18.50.0	18.40.0	18.25.0	18.58.1	
8	19.10.0	19.27.5	19.12.5	19.02.5	19.00.0	19.05.0	18.37.5	18.22.5	18.59.7	
12	19.25.0	19.30.0	19.05.0	19.05.0	18.55.0	19.00.0	18.42.5	18.00.0	18.57.7	
15	19.45.0	18.22.5	19.22.5	18.50.0	19.22.5	17.30.0	19.52.5	17.25.0	18.48.8	18.59.0
19	19.42.5	19.57.5	19.15.0	18.42.5	18.27.5	18.20.0	19.32.5	17.15.0	18.54.0	
22	19.17.5	19.12.5	19.30.0	19.35.0	19.07.5	19.00.0	18.47.5	17.20.0	18.58.8	
29	18.07.5	19.32.5	18.00.0	19.05.0	18.32.5	15.05.0	19.22.5	19.07.5	18.43.1	
MAR. 4	19.40.0	18.27.5	18.05.0	19.00.0	17.37.5	17.10.0	19 52.5	17.27.5	18.25.0	
7	18.10.0	19.07.5	20.05.0	18.50.0	19.32.5	18.30.0	18.20.0	17.30.0	18.45.6	
12	18.47.5	19.02.5	18.55.0	18.27.5	18.55.0	19.17.5	19.17.5	19.40.0	19.02.8	
14	19.15.0	17.35.0	19.30.0	19.00.0	18.37.5	19.20.0	18.57.5	19.02.5	18.54.7	
18	18.55.0	18.37.5	19.25.0	19.07.5	18.57.5	19.35.0	18.47.5	19.45.0	19.08.8	18.54.4
20	18.25.0	18.12.5	19.20.0	18.27.5	18,47.5	19.00.0	19.05.0	20.00.0	18.54.7	
25	18.45.0	18.35.0	19.20.0	18.37.5	19.52.5	20.10.0	18.47.5	19.57.5	19.15.6	
28	18.27.5	17.47.5	19.15.0	18.40.0	18.50.0	19.00.0	19.27.5	18.57.5	18.48.1	

OBSERVATIONS OF INCLINATION, 1856.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		POLES DIRECT. Face of Needle. Reversed.		POLES REVERSED. Face of Needle. Direct.		POLES REVERSED. Face of Needle. Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 1	18°25'0	19°00'0	19°15'0	18°37'5	18°42'5	19°40'0	19°27'5	19°05'0	19°01'5	
4	18.55.0	17.27.5	19.07.5	18.55.0	19.02.5	19.25.0	20.00.0	19.17.5	19.01.2	
8	18.55.0	17.52.5	19.12.5	18.55.0	19.55.0	19.40.0	18.57.5	18.32.5	19.00.0	
11	19.00.0	18.37.5	19.17.5	18.42.5	19.52.5	19.52.5	19.17.5	18.32.5	19.09.0	
15	18.22.5	18.37.5	19.17.5	18.40.0	20.10.0	19.20.0	19.05.0	19.57.5	19.11.2	19°06'3
18	18.45.0	18.22.5	19.45.0	18.50.0	19.00.0	19.50.0	18.37.5	20.00.0	19.08.8	
22	18.12.5	18.17.5	18.17.5	18.45.0	19.55.0	19.45.0	19.10.0	20.12.5	19.04.4	
25	18.20.0	18.37.5	19.32.5	18.40.0	19.50.0	19.30.0	19.12.5	19.27.5	19.08.8	
29	19.20.0	18.37.5	19.20.0	18.40.0	19.10.0	21.52.5	18.12.5	18.22.5	19.11.9	
MAY 1	21.00.0	18.10.0	19.00.0	18.55.0	19.50.0	20.50.0	18.32.5	18.32.5	19.21.2	
6	20.42.5	18.55.0	19.00.0	19.00.0	18.42.5	19.55.0	18.32.5	19.45.0	19.18.8	
9	20.12.5	19.12.5	18.40.0	18.25.0	18.52.5	19.50.0	19.12.5	19.47.5	19.09.0	
13	19.40.0	18.57.5	19.02.5	18.40.0	18.50.0	20.00.0	18.42.5	19.32.5	19.10.6	
16	19.20.0	19.02.5	20.00.0	18.30.0	18.47.5	18.55.0	19.07.5	19.42.5	19.10.6	
20	19.20.0	19.00.0	19.40.0	18.25.0	18.45.0	18.55.0	19.07.5	20.05.0	19.09.7	19.12.7
23	19.10.0	18.42.5	19.10.0	19.05.0	18.50.0	19.15.0	18.45.0	18.17.5	18.54.4	
27	19.12.5	18.22.5	19.27.5	18.57.5	19.35.0	19.25.0	19.15.0	20.42.5	19.22.2	
30	18.55.0	19.02.5	19.27.5	19.05.0	19.07.5	19.42.5	19.02.5	19.57.5	19.17.5	
JUNE 3	19.10.0	19.07.5	19.47.5	19.02.5	18.27.5	19.20.0	19.15.0	18.55.0	19.09.4	
6	19.15.0	18.22.5	19.35.0	19.10.0	18.35.0	19.25.0	19.27.5	19.02.5	19.06.2	
10	18.30.0	18.37.5	19.32.5	18.50.0	18.40.0	19.35.0	19.25.0	19.47.5	19.07.2	
13	18.57.5	18.37.5	19.00.0	18.55.0	18.42.5	19.22.5	19.12.5	19.52.5	19.05.0	
17	18.47.5	18.22.5	19.12.5	19.05.0	19.00.0	19.20.0	18.42.5	19.27.5	18.59.7	19.07.5
19	18.42.5	19.37.5	19.35.0	18.50.0	18.52.5	19.10.0	19.07.5	19.27.5	19.02.8	
20	18.45.0	18.27.5	19.32.5	18.45.0	19.50.0	19.25.0	19.17.5	19.22.5	19.10.6	
24	18.42.5	18.22.5	19.32.5	19.35.0	19.05.0	20.00.0	19.15.0	19.20.0	19.14.0	
27	18.57.5	18.32.5	19.45.0	20.02.5	19.00.0	19.05.0	19.10.0	19.07.5	19.12.5	
JULY 1	18.12.5	18.22.5	19.27.5	19.00.0	19.42.5	19.35.0	19.22.5	19.47.5	19.10.9	
4	19.10.0	18.30.0	19.22.5	19.05.0	18.47.5	19.00.0	19.02.5	19.47.5	19.05.3	
7	18.37.5	18.17.5	19.00.0	19.30.0	18.00.0	19.10.0	19.05.0	20.02.5	18.57.8	
11	18.25.0	18.52.5	18.10.0	19.15.0	18.37.5	19.15.0	19.12.5	19.00.0	18.56.9	
15	19.12.5	18.22.5	19.40.0	19.05.0	18.47.5	19.10.0	18.57.5	19.02.5	19.02.2	
18	18.32.5	17.37.5	19.37.5	19.15.0	19.32.5	19.50.0	18.02.5	18.52.5	18.55.0	19.05.4
22	19.10.0	18.02.5	19.20.0	19.10.0	18.32.5	20.00.0	19.12.5	19.12.5	19.05.0	
25	18.25.0	17.47.5	20.20.0	19.20.0	18.25.0	19.00.0	19.40.0	20.32.5	19.11.2	
29	19.37.5	19.27.5	19.20.0	19.35.0	18.20.0	19.30.0	18.47.5	20.32.5	19.23.8	
AUG. 1	19.20.0	18.32.5	18.12.5	19.35.0	18.30.0	19.10.0	19.17.5	19.37.5	19.01.9	
5	19.00.0	20.12.5	18.25.0	18.35.0	19.00.0	18.25.0	19.00.0	18.50.0	19.03.4	
8	18.37.5	71.52.5	19.25.0	18.35.0	18.45.0	18.45.0	19.52.5	19.42.5	18.56.9	
12	19.07.5	18.37.5	19.52.5	19.00.0	18.55.0	18.30.0	19.22.5	19.40.0	19.08.1	18.59.6
19	19.42.5	17.27.5	20.07.5	18.47.5	19.02.5	18.05.0	19.37.5	18.57.5	18.58.4	
22	18.45.0	18.10.0	19.50.0	18.40.0	18.40.0	18.25.0	20.02.5	19.00.0	18.56.6	
26	19.05.0	18.02.5	19.40.0	18.40.0	18.25.0	19.00.0	19.37.5	19.17.5	18.58.4	
29	18.37.5	18.27.5	19.00.0	18.20.0	18.40.0	19.20.0	19.22.5	19.12.5	18.52.5	
SEPT. 2	18.52.5	17.17.5	19.12.5	18.10.0	18.40.0	18.40.0	20.22.5	18.37.5	18.44.0	
5	18.37.5	19.47.5	18.45.0	18.55.0	19.25.0	18.40.0	19.52.5	18.40.0	19.05.3	
9	19.07.5	18.57.5	19.05.0	18.55.0	18.32.5	18.35.0	20.22.5	17.20.0	18.51.9	
12	19.45.0	18.22.5	19.20.0	19.15.0	18.25.0	19.10.0	19.52.5	18.02.5	19.01.6	18.57.5
16	18.55.0	16.32.5	19.35.0	19.15.0	19.00.0	18.45.0	20.02.5	19.02.5	19.08.4	
26	18.40.0	18.12.5	19.22.5	18.15.0	18.47.5	19.20.0	20.00.0	19.00.0	18.57.2	
30	19.00.0	18.45.0	19.32.5	18.20.0	20.02.5	17.00.0	18.42.5	19.50.0	18.54.0	

OBSERVATIONS OF INCLINATION, 1856.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		POLES DIRECT. Face of Needle. Reversed.		POLES REVERSED. Face of Needle. Direct.		POLES REVERSED. Face of Needle. Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 4	18°47′5	18°27′5	19°02′5	18°45′0	19°00′0	19°25′0	20°50′0	19°42′5	19°15′0	
7	18.40.0	18.55.0	18.50.0	18.40.0	18.45.0	18.55.0	19.30.0	19.40.0	18.59.4	
14	18.47.5	18.27.5	19.10.0	18.10.0	19.22.5	18.45.0	20.27.5	18.20.0	18.56.2	
17	17.47.5	18.30.0	18.10.0	19.10.0	19.25.0	18.25.0	19.10.0	18.42.5	18.40.0	18°56′5
21	18.20.0	18.00.0	18.45.0	18.27.5	18.55.0	18.35.0	19.30.0	18.57.5	18.41.2	
24	18.10.0	17.07.5	18.27.5	18.30.0	19.12.5	19.30.0	19.20.0	20.40.0	18.52.2	
29	18.57.5	18.15.0	19.15.0	19.45.0	19.00.0	19.27.5	19.30.0	19.52.5	19.11.6	
Nov. 4	18.55.0	18.20.0	18.55.0	19.10.0	20.05.0	19.15.0	19.35.0	18.35.0	19.06.3	
7	18.32.5	17.40.0	19.07.5	19.05.0	19.22.5	19.30.0	19.37.5	20.07.5	19.07.8	
11	18.25.0	18.20.0	18.52.5	19.15.0	18.30.0	19.45.0	19.40.0	18.45.0	18.56.2	
14	18.30.0	18.40.0	19.05.0	19.25.0	18.40.0	19.57.5	19.40.0	20.45.0	19.20.2	
18	19.05.0	17.50.0	19.32.5	19.30.0	19.00.0	19.45.0	19.37.5	17.50.0	19.01.2	19.05.9
21	18.20.0	17.40.0	19.00.0	19.25.0	18.40.0	19.40.0	19.37.5	19.10.0	18.56.5	
25	18.15.0	18.30.0	19.02.5	19.00.0	19.40.0	19.50.0	19.15.0	18.20.0	18.59.0	
28	19.00.0	18.00.0	19.07.5	19.15.0	18.47.5	20.00.0	19.47.5	20.42.5	19.20.0	
Dec. 3	19.20.0	18.37.5	19.20.0	19.25.0	18.12.5	19.35.0	19.32.5	19.52.5	19.13.7	
6	18.50.0	19.00.0	19.32.5	18.40.0	18.12.5	19.22.5	19.37.5	19.52.5	19.08.4	
9	19.07.5	18.32.5	19.42.5	18.42.5	18.40.0	19.27.5	19.15.0	18.05.0	18.56.6	
12	18.30.0	18.57.5	19.32.5	19.40.0	18.47.5	19.15.0	19.27.5	20.50.0	19.22.5	
16	19.07.5	18.50.0	19.40.0	19.20.0	18.37.5	19.25.0	19.30.0	18.57.5	19.10.9	19.07.0
19	19.27.5	18.40.0	19.32.5	19.12.5	18.12.5	19.40.0	19.12.5	18.05.0	19.00.2	
23	19.17.5	18.25.0	19.37.5	19.15.0	18.12.5	19.50.0	19.47.5	18.22.5	19.05.9	
26	19.12.5	18.50.0	19.45.0	19.07.5	18.12.5	19.10.0	19.47.5	17.57.5	19.00.2	
30	19.00.0	18.57.5	19.42.5	19.40.0	18.32.5	18.50.0	19.10.0	18.47.5	19.05.0	

OBSERVATIONS, &c. FOR HORIZONTAL FORCE.

VIBRATIONS OF A·51, AND DEFLECTIONS OF 1·11, DURING 1856.

Month and Date.		Göttingen Time of Observation.	Time of one Vibration of A·51 (corrected).	Deflections of 1.11.		Deduced Values of		Corresponding Readings of		Corresponding Readings of	
				Deflection at V = 1f. 1.	Deflection at V = 1f. 2.	LM.	Absolute Horizontal Intensity.	Large H. Force Magnetometer (uncorrected).	Attached Thermometer.	Small H. Force Magnetometer (uncorrected).	Attached Thermometer.
		H.		Sc. Div.	Sc. Div.		En. Un.	Sc. Read.			
JAN.	4	20	4.018	21.070	16.163	0.0857	8.031	18.83	80°9	19.42	76°7
	11	19	.019	.026	.176	.0854	.028	18.80	82.0	20.00	77.8
	18	19	.018	.026	.176	.0857	.031	18.65	80.1	18.75	76.3
	25	19	.019	.004	.172	.0857	.035	19.95	80.5	19.96	77.8
FEB.	1	19	.019	.035	.202	.0857	.024	19.85	79.4	19.05	75.7
	8	19	.018	20.992	.162	.0857	.036	20.19	81.9	20.42	77.6
	15	19	.018	21.024	.176	.0857	.031	20.04	80.0	19.90	77.4
	22	21	.019	.000	.172	.0856	.032	19.45	83.7	19.07	81.8
	29	19	.020	.011	.180	.0856	.028	19.92	82.6	20.10	80.0
MARCH	7	21	.022	.005	.181	.0855	.026	18.39	86.8	19.22	83.4
	14	19	.020	20.957	.155	.0855	.038	19.35	87.0	20.65	83.9
	28	19	.020	.990	.160	.0856	.033	19.15	86.7	19.36	83.9
APRIL	4	19	.022	21.010	.176	.0862	.026	19.05	86.5	19.17	84.8
	11	19	.022	20.999	.173	.0856	.028	18.80	87.8	19.06	86.8
	18	19	.022	.970	.149	.0855	.033	18.80	89.0	18.80	87.0
	25	19	.022	.983	.160	.0857	.031	18.73	88.5	19.36	86.3
MAY	2	18	.024	.996	.155	.0855	.022	18.13	90.0	18.60	87.6
	9	19	.023	.962	.146	.0855	.027	18.87	90.0	19.19	87.5
	16	19	.026	.988	.155	.0854	.019	17.84	90.0	17.23	87.1
	22	20	.026	.972	.149	.0854	.022	18.28	90.3	18.39	88.1
	30	19	.025	.956	.139	.0853	.027	19.00	87.5	19.15	85.1
JUNE	5	20	.023	21.004	.170	.0857	.014	19.31	83.2	19.85	81.6
	12	19	.028	20.945	.125	.0854	.023	18.36	87.8	18.75	86.5
	13	19	.025	.937	.118	.0854	.031	18.65	88.0	19.10	86.4
	20	19	.025	.950	.129	.0854	.029	18.69	88.0	18.70	86.0
	27	22	.027	.917	.110	.0853	.030	18.43	86.2	18.14	84.1
JULY	11	21	.026	.914	.098	.0853	.034	18.85	85.8	19.05	83.9
	18	21	.026	.927	.099	.0853	.033	18.49	85.7	18.49	83.8
AUG.	5	19	.029	.917	.114	.0853	.026	18.90	83.4	18.78	80.9
	8	19	.055	.600	15.870	.0839	.035	19.40	83.5	19.41	81.0
	22	19	.061	.659	.915	.0842	.010	17.31	84.8	16.25	82.0
	29	20	.057	.690	.865	.0840	.031	18.86	83.0	17.28	81.0
SEPT.	5	19	.057	.610	.881	.0841	.026	18.98	85.2	17.62	82.6
	12	19	.056	.612	.857	.0840	.031	19.35	83.0	17.35	79.5
	26	19	.057	.620	.938	.0841	.018	18.67	84.0	17.60	81.8
OCT.	2	19	.057	.600	.931	.0841	.020	19.05	85.6	18.18	83.5
	17	19	.056	.578	.887	.0840	.030	19.32	84.9	18.35	82.1
	24	19	.058	.600	.893	.0841	.024	18.91	83.3	17.90	80.0
	31	21	.057	.593	.850	.0840	.032	18.95	85.9	17.98	81.5*
NOV.	7	23	.059	.687	.962	.0842	.005	17.82	87.7	17.08	84.0
	14	20	.056	.592	.856	.0840	.034	19.59	85.0	18.05	80.0
	21	20	.058	.610	.871	.0840	.026	19.37	81.3	18.30	77.4
	28	22	.058	.595	.865	.0840	.026	19.04	83.0	18.28	79.0
DEC.	5	19	.058	.606	.880	.0841	.027	19.59	81.8	18.75	76.8
	12	20	.058	.552	.847	.0840	.036	19.07	85.8	18.09	80.8
	19	21	.059	.572	.858	.0840	.031	19.70	82.0	18.90	77.8
	25	20	.059	.611	.879	.0840	.026	19.45	81.7	18.30	75.3

* The Magnet A.51 was cleaned of its Corrosion on the 5th of August.

BOMBAY MAGNETICAL OBSERVATIONS.

TERM-DAY OBSERVATIONS.

1856.

TERM-DAY OBSERVATIONS, ON THE 23RD OF JANUARY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
0 0	17.610	17.337	17.164	16.993	16.786	17.472	19.327	20.494	18.845	17.748	17.816	18.159
5 0	17.679	17.337	17.199	16.924	16.924	17.541	19.361	20.425	18.779	17.679	17.679	18.228
10 0	17.748	17.337	16.993	16.855	16.924	17.644	19.601	20.287	18.572	17.610	17.748	18.228
15 0	17.406	17.472	17.199	16.993	16.924	17.885	19.601	20.218	18.572	17.541	17.748	18.297
20 0	17.610	17.199	17.130	16.993	16.924	18.092	19.704	20.152	18.572	17.541	17.885	18.366
25 0	17.850	17.164	17.268	16.993	16.924	18.159	19.945	20.014	18.435	17.679	17.885	18.435
30 0	17.541	17.062	17.268	16.993	16.924	18.159	20.014	19.739	18.297	17.610	17.954	18.572
35 0	17.610	17.130	17.233	16.993	16.958	18.331	20.287	19.601	18.228	17.610	17.954	18.469
40 0	17.541	17.199	17.130	16.855	17.062	18.503	20.356	19.532	18.159	17.679	17.954	18.503
45 0	17.472	17.268	17.027	16.924	17.096	18.779	20.425	18.327	18.023	17.679	18.023	18.572
50 0	17.268	17.199	16.924	16.924	17.337	18.845	20.494	19.189	17.885	17.885	18.023	18.572
55 0	17.337	16.993	16.993	16.820	17.472	19.052	20.562	19.052	17.816	17.885	18.092	18.092

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
2 0	18.22	18.33	18.54	18.68	18.70	18.73	18.82	18.98	18.91	18.67	18.36	18.16
7 0	18.20	18.35	18.50	18.66	18.72	18.72	18.89	18.99	18.90	18.66	18.33	18.15
12 0	18.21	18.37	18.54	18.71	18.73	18.75	18.85	19.01	18.87	18.64	18.31	18.11
17 0	18.29	18.35	18.53	18.66	18.72	18.77	18.90	19.00	13.83	18.64	18.29	18.11
22 0	18.29	18.37	18.56	18.67	18.72	18.80	18.95	19.01	18.79	18.60	18.25	18.10
27 0	18.23	18.41	18.64	18.67	18.69	18.70	18.94	19.02	18.77	18.54	18.24	18.10
32 0	18.24	18.47	18.59	18.69	18.75	18.72	18.95	19.00	18.75	18.52	18.24	18.11
37 0	18.28	18.44	18.60	18.72	18.75	18.69	18.93	19.00	18.73	18.50	18.21	18.13
42 0	18.31	18.47	18.66	18.70	18.75	18.66	18.93	18.96	18.71	18.47	18.21	18.13
47 0	18.30	18.50	18.72	18.72	18.75	18.79	18.95	18.94	18.71	18.47	18.21	18.12
52 0	18.31	18.50	18.72	18.75	18.75	18.76	18.96	18.94	18.70	18.42	18.19	18.10
57 0	18.30	18.55	18.66	18.72	18.72	18.79	18.95	18.92	18.69	18.39	18.18	18.95
Therm.	78°9	78°7	78°2	78°0	77°9	77°9	78°2	78°9	80°2	81°8	82°9	82°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
3 0	43.75	43.69	43.85	43.90	43.98	44.20	44.28	44.04	43.52	43.32	43.22	43.12
8 0	43.70	43.70	43.83	43.91	43.97	44.20	44.31	44.00	43.50	43.32	43.22	43.12
13 0	43.65	43.72	43.83	43.92	44.07	44.20	44.31	43.92	43.50	43.30	43.22	43.12
18 0	43.63	43.75	43.85	43.93	44.04	44.25	44.29	43.90	43.50	43.30	43.24	43.08
23 0	43.65	43.73	43.87	43.97	44.02	44.24	44.29	43.86	43.48	43.30	43.25	43.06
28 0	43.70	43.71	43.87	43.95	44.04	44.28	44.27	43.80	43.48	43.30	43.24	43.06
33 0	43.67	43.75	43.88	43.94	44.08	44.26	44.25	43.74	43.48	43.28	43.22	43.02
38 0	43.63	43.75	43.88	43.94	44.12	44.30	44.20	43.70	43.48	43.27	43.20	43.00
43 0	43.66	43.75	43.90	43.95	44.15	44.30	44.20	43.65	43.45	43.25	43.20	43.00
48 0	43.67	43.77	43.90	43.94	44.16	44.30	44.18	43.62	43.38	43.28	43.18	43.00
53 0	43.67	43.80	43.89	43.95	44.15	44.29	44.15	43.58	43.32	43.28	43.15	42.98
58 0	43.67	43.80	43.90	43.98	44.18	44.29	44.08	43.58	43.32	43.25	43.13	42.94
Therm.	79°2	79°0	78°9	78°9	78°3	78°2	78°4	78°8	79°3	80°1	80°9	81°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF JANUARY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18.092	18.297	18.159	17.472	17.130	17.472	17.816	17.610	17.472	17.472	17.541	17.406
5 0	18.023	18.366	18.092	17.472	17.130	17.472	17.748	17.541	17.472	17.541	17.541	17.371
10 0	17.885	18.297	18.023	17.472	17.130	17.541	17.748	17.541	17.472	17.610	17.541	17.337
15 0	17.885	18.297	18.023	17.748	17.268	17.541	17.748	17.541	17.472	17.610	17.541	17.440
20 0	17.816	18.297	17.954	17.748	17.268	17.541	17.748	17.541	17.406	17.644	17.541	17.440
25 0	17.816	18.301	17.885	17.748	17.337	17.610	17.610	17.472	17.472	17.679	17.610	17.440
30 0	17.954	18.435	17.885	17.816	17.406	17.679	17.610	17.472	17.406	17.679	17.610	17.406
35 0	17.954	18.366	17.816	17.816	17.406	17.541	17.541	17.610	17.406	17.541	17.610	17.440
40 0	17.988	18.297	17.816	17.816	17.337	17.610	17.748	17.610	17.406	17.472	17.610	17.406
45 0	17.988	18.228	17.816	17.816	17.406	17.610	17.610	17.541	17.406	17.472	17.575	17.440
50 0	18.057	18.228	17.748	17.610	17.406	17.337	17.610	17.541	17.472	17.472	17.575	17.575
55 0	18.028	18.228	17.610	17.472	17.406	17.472	17.610	17.541	17.472	17.472	17.500	17.575

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.90	18.72	18.58	18.50	18.60	18.55	18.50	18.58	18.71	18.70	18.95	19.00
7 0	18.90	18.68	18.51	18.48	18.60	18.59	18.47	18.58	18.70	18.73	18.91	19.00
12 0	18.89	18.68	18.52	18.45	18.57	18.54	18.51	18.58	18.69	18.72	18.91	19.00
17 0	18.85	18.70	18.50	18.49	18.54	18.50	18.57	18.56	18.69	18.73	18.95	18.99
22 0	18.84	18.70	18.49	18.54	18.51	18.53	18.53	18.55	18.69	18.73	18.95	18.96
27 0	18.85	18.70	18.47	18.59	18.56	18.50	18.50	18.58	18.70	18.71	18.96	18.94
32 0	18.84	18.68	18.46	18.52	18.59	18.50	18.43	18.59	18.70	18.76	18.96	18.94
37 0	18.81	18.67	18.45	18.68	18.60	18.58	18.45	18.62	18.70	18.86	18.95	18.97
42 0	18.79	18.63	18.43	18.60	18.54	18.55	18.53	18.65	18.70	18.91	18.92	18.99
47 0	18.79	18.60	18.40	18.57	18.51	18.52	18.55	18.68	18.70	18.91	18.94	18.00
52 0	18.78	18.61	18.38	18.55	18.55	18 47	18.57	18.71	18.70	18.95	18.76	18.96
57 0	18.76	18.59	18.42	18.59	18.58	18.50	18.57	18.71	18.69	18.94	18.96	18.96
Therm.	83°0	83°3	83°3	82°8	82°1	81°6	81°1	80°8	80°5	80°2	80°0	79°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	42.94	42.78	42.56	42.48	42.62	42.72	42.95	43.00	43.08	43.15	43.28	43.15
8 0	42.92	42.76	42.55	42.50	42.65	42.73	42.95	43.00	43.08	43.16	43.28	43.15
13 0	42.85	42.74	42.53	42.50	42.65	42.72	42.94	43.02	43.08	43.18	43.28	43.20
18 0	42.82	42.72	42.50	42.50	42.65	42.73	42.97	43.00	43.06	43.22	43.26	43.22
23 0	42.80	42.72	42.50	42.50	42.67	42.75	42.98	43.02	43.10	43.23	43.28	43.25
28 0	42.82	42.72	42.50	42.50	42.65	42.78	42.98	43.02	43.10	43.23	43.30	43.25
33 0	42.82	42.70	42.50	42.50	42.69	42.80	42.98	43.04	43.12	43.22	43.30	43.28
38 0	42.80	42.65	42.50	42.53	42.70	42.82	42.98	43.06	43.12	43.20	43.32	43.24
43 0	42.80	42.62	42.50	42.57	42.70	42.85	42.00	43.06	43.13	43.22	43.32	43.25
48 0	42.80	42.60	42.50	42.59	42.72	42.89	42.98	43.05	43.14	43.23	43.32	43.26
53 0	42.80	42.60	42.50	42.60	42.75	42.93	42.98	43.05	43.18	43.30	43.26	43.26
58 0	42.80	42.58	42.45	42.60	42.75	42.95	43.00	43.08	43.18	43.30	43.18	43.27
Therm.	82°0	82°4	82°7	82°6	82°1	81°8	81°3	80°9	80°8	80°4	80°3	80°2

TERM-DAY OBSERVATIONS, ON THE 22ND OF FEBRUARY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	18.670	19.150	19.013	19.356	19.013	19.356	20.042	19.973	19.973	19.561	18.189	18.327
5 0	18.670	19.218	19.081	19.356	19.013	19.356	20.042	19.973	19.973	19.356	18.189	18.395
10 0	18.670	19.287	19.013	19.356	19.013	19.013	20.179	20.179	19.904	19.218	18.189	18.395
15 0	18.670	19.287	18.944	19.424	18.944	19.287	20.179	20.179	19.904	19.150	18.258	18.361
20 0	18.670	19.218	18.944	19.424	18.807	19.218	20.247	20.042	19.904	19.013	18.258	18.361
25 0	18.670	19.218	18.670	19.493	18.670	19.218	19.973	20.110	19.836	18.807	18.327	18.361
30 0	18.670	19.013	18.807	19.493	18.670	19.424	20.316	20.042	19.767	18.738	18.327	18.395
35 0	18.670	18.944	18.876	19.493	18.670	19.561	20.385	19.973	19.699	18.532	18.327	18.429
40 0	18.670	19.013	18.944	19.630	18.807	19.699	19.836	19.973	19.630	18.464	18.327	18.464
45 0	18.670	18.944	19.081	19.699	18.670	19.699	19.836	19.904	19.630	18.327	18.327	18.464
50 0	18.670	18.944	19.013	19.424	18.670	19.836	20.316	19.904	19.630	18.327	18.327	18.464
55 0	19.013	19.081	19.013	19.150	19.013	19.973	20.110	19.904	19.630	18.258	18.327	18.395

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.04	19.10	19.21	19.30	19.50	19.55	19.90	20.12	20.08	20.00	19.90	19.62
7 0	19.04	19.09	19.25	19.31	19.53	19.56	19.92	20.14	20.15	20.00	19.90	19.59
12 0	19.06	19.10	19.24	19.35	19.50	19.60	19.95	20.13	20.16	19.98	19.83	19.57
17 0	19.06	19.15	19.33	19.38	19.50	19.62	19.98	20.12	20.12	19.99	19.83	19.56
22 0	19.05	19.15	19.31	19.42	19.53	19.65	20.01	20.13	20.06	19.98	19.72	19.56
27 0	19.05	19.15	19.33	19.45	19.59	19.65	20.00	20.10	20.05	19.98	19.67	19.53
32 0	19.05	19.20	19.35	19.49	19.65	19.70	20.05	20.10	20.06	19.94	19.69	19.52
37 0	19.06	19.24	19.33	19.52	19.61	19.75	20.10	20.11	20.05	19.93	19.63	19.52
42 0	19.05	19.20	19.35	19.59	19.65	19.72	20.12	20.10	20.05	19.93	19.64	19.51
47 0	19.06	19.20	19.40	19.59	19.59	19.75	20.14	20.10	20.00	19.89	19.64	19.51
52 0	19.06	19.22	19.38	19.52	19.56	19.80	20.13	20.10	19.98	19.85	19.62	19.49
57 0	19.10	19.21	19.35	19.50	19.50	19.83	20.12	20.09	19.97	19.88	19.63	19.48
Therm.	81°0	80°7	80°0	79°2	78°9	79°2	79°4	80°1	81°5	83°0	83°4	83°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	44.00	44.10	44.24	44.50	44.60	44.80	44.90	44.74	44.36	43.88	43.62	43.78
8 0	44.00	44.10	44.25	44.50	44.60	44.80	44.93	44.72	44.30	43.80	43.62	43.78
13 0	44.00	44.10	44.26	44.50	44.60	44.80	44.95	44.65	44.25	43.76	43.65	43.76
18 0	44.00	44.08	44.26	44.50	44.58	44.80	44.90	44.62	44.28	43.72	43.68	43.75
23 0	44.02	44.10	44.26	44.52	44.52	44.80	44.90	44.60	44.26	43.70	43.72	43.74
28 0	44.06	44.12	44.28	44.57	44.60	44.80	44.90	44.56	44.22	43.68	43.72	43.72
33 0	44.08	44.15	44.29	44.60	44.60	44.80	44.90	44.55	44.18	43.65	43.72	43.70
38 0	44.10	44.16	44.30	44.65	44.63	44.82	44.85	44.50	44.12	43.64	43.73	43.68
43 0	44.10	44.20	44.34	44.70	44.70	44.83	44.85	44.48	44.08	43.62	43.74	43.70
48 0	44.10	44.20	44.40	44.72	44.72	44.85	44.84	44.42	44.02	43.62	43.76	43.68
53 0	44.10	44.22	44.50	44.65	44.75	44.85	44.82	44.38	44.00	43.65	43.78	43.68
58 0	44.10	44.24	44.50	44.60	44.78	44.85	44.80	44.36	43.92	43.62	43.78	43.65
Therm.	81°6	81°3	81°0	80°8	80°1	80°0	80°1	80°3	81°1	82°2	82°7	83°0

TERM-DAY OBSERVATIONS, ON THE 22ND OF FEBRUARY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18.464	18.670	18.807	18.807	18.738	18.670	18.327	18.601	18.532	18.875	19.218	19.013
5 0	18.395	18.670	18.807	18.807	18.738	18.670	18.327	18.670	18.532	18.944	19.218	19.013
10 0	18.464	18.601	18.807	18.670	18.670	18.670	18.464	18.670	18.532	19.013	19.287	19.013
15 0	18.464	18.601	18.841	18.670	18.670	18.670	18.464	18.670	18.670	19.081	19.287	19.081
20 0	18.464	18.670	18.944	18.670	18.670	18.532	18.464	18.670	18.670	19.287	19.218	19.013
25 0	18.498	18.670	18.944	18.738	18.601	18.464	18.464	18.601	18.670	19.287	19.150	19.013
30 0	18.498	18.670	18.807	18.738	18.601	18.532	18.327	18.601	18.738	19.424	19.850	19.150
35 0	18.498	18.670	18.738	18.738	18.601	18.464	18.601	18.601	18.601	19.287	19.081	19.218
40 0	18.532	18.738	18.738	18.738	18.670	18.464	18.601	18.601	18.601	19.218	19.081	19.356
45 0	18.532	18.738	18.738	18.670	18.670	18.327	18.532	18.670	18.738	19.150	19.150	19.218
50 0	18.601	18.738	18.670	18.807	18.670	18.327	18.464	18.670	18.738	19.218	19.081	19.287
55 0	18.670	18.807	18.807	18.807	18.601	18.327	18.532	18.601	18.807	19.218	19.081	19.287

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.45	19.37	19.21	19.07	18.95	18.85	19.01	18.99	19.21	19.27	19.02	19.15
7 0	19.45	19.37	19.22	19.05	18.93	18.83	19.00	18.98	19.19	19.17	19.02	19.16
12 0	19.43	19.35	19.23	19.03	18.90	18.85	19.00	18.99	19.14	19.08	19.01	19.19
17 0	19.41	19.35	19.25	19.02	18.89	18.89	18.98	19.00	19.17	19.05	19.02	19.20
22 0	19.42	19.33	19.21	19.00	18.80	18.90	18.95	18.99	19.16	19.03	19.04	19.20
27 0	19.39	19.31	19.18	19.01	18.78	18.87	18.95	19.02	19.18	19.03	19.04	19.20
32 0	19.38	19.30	19.16	19.00	18.75	18.93	18.93	19.08	19.23	19.06	19.06	19.22
37 0	19.39	19.26	19.15	18.98	18.74	18.95	18.91	19.06	19.31	19.09	19.09	19.24
42 0	19.38	19.26	19.15	18.95	18.70	18.98	19.05	19.11	19.37	19.08	19.12	19.24
47 0	19.38	19.23	19.13	18.95	18.75	19.00	19.00	19.14	19.41	19.07	19.14	19.25
52 0	19.38	19.23	19.10	18.93	18.79	19.01	19.01	19.13	19.37	19.02	19.16	19.25
57 0	19.38	19.21	19.10	18.95	18.83	19.00	18.99	19.16	19.35	19.01	19.16	19.27
Therm.	83°7	83°4	83°1	82°7	81°7	81°1	81°0	80°5	80°2	80°0	79°8	79°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	43.65	43.62	43.60	43.42	43.70	43.90	44.13	44.25	44.51	44.72	44.71	44.69
8 0	43.65	43.60	43.60	43.40	43.70	43.92	44.15	44.30	44.50	44.65	44.77	44.69
13 0	43.65	43.60	43.60	43.40	43.73	43.90	44.15	44.30	44.48	44.67	44.79	44.69
18 0	43.65	43.60	43.60	43.38	43.79	43.90	44.18	44.35	44.50	44.68	44.68	44.70
23 0	43.62	43.60	43.60	43.35	43.86	43.95	44.15	44.36	44.50	44.70	44.60	44.70
28 0	43.62	43.60	43.62	43.42	43.89	43.98	44.15	44.35	44.52	44.70	44.66	44.70
33 0	43.62	43.60	43.60	43.50	43.90	44.01	44.15	44.38	44.52	44.65	44.70	44.75
38 0	43.63	43.60	43.58	43.53	43.92	44.05	44.20	44.42	44.52	44.68	44.70	44.75
43 0	43.63	43.60	43.50	43.60	43.90	44.09	44.20	44.42	44.50	44.65	44.65	44.78
48 0	43.63	43.60	43.50	43.62	43.90	44.10	44.22	44.45	44.56	44.63	44.66	44.78
53 0	43.62	43.60	43.45	43.65	43.90	44.13	44.22	44.44	44.60	44.66	44.67	44.80
58 0	43.64	43.60	43.45	43.65	43.90	44.10	44.26	44.46	44.62	44.62	44.69	44.82
Therm.	83°3	83°5	83°5	83°2	82°7	82°0	81°7	81°3	81°0	80°8	80°2	80°0

TERM-DAY OBSERVATIONS, ON THE 19TH OF MARCH 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	18.670	19.081	19.013	18.361	18.772	19.767	20.042	20.110	19.493	18.327	17.641	17.984
5 0	18.395	19.150	18.670	18.601	18.738	19.767	20.042	19.973	19.424	18.121	17.366	17.846
10 0	18.807	18.875	18.532	18.635	18.944	19.767	19.973	20.042	19.424	17.984	17.366	17.572
15 0	18.738	18.670	18.670	18.601	19.801	19.973	19.973	20.042	19.356	17.984	17.298	18.181
20 0	18.395	19.287	19.013	18.944	19.218	19.978	20.042	20.042	19.218	17.984	17.023	18.181
25 0	18.807	18.807	18.738	18.944	19.287	19.904	19.973	19.973	19.081	17.984	17.023	18.327
30 0	18.670	18.395	18.189	18.635	19.287	20.179	20.042	19.973	19.013	17.984	17.298	18.327
35 0	18.532	19.013	18.738	18.395	19.081	20.042	20.042	19.904	18.738	17.915	17.294	18.327
40 0	18.327	18.670	18.944	19.013	19.287	19.978	20.179	19.973	18.670	17.778	17.366	18.327
45 0	18.395	18.532	18.738	18.532	19.424	20.042	20.110	19.836	18.464	17.572	17.572	18.395
50 0	18.189	18.395	18.738	18.532	19.424	20.042	20.144	19.699	18.327	17.641	17.503	18.532
55 0	18.532	18.670	18.807	18.807	19.630	19.904	20.179	19.699	18.327	17.641	17.641	18.738

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.07	19.05	19.15	19.28	19.35	19.55	19 58	19.62	19.56	19.50	19.24	18.97
7 0	19.09	19.09	19.10	19.24	19.35	19.56	19.59	19.63	19.55	19.48	19.21	18.96
12 0	19.05	19.09	19.14	19.25	19.39	19.54	19.56	19.64	19.55	19.45	19.20	18.95
17 0	19.08	19.08	19.10	19.20	19.42	19.62	19.61	19.62	19.60	19.40	19.22	18.86
22 0	19.02	19.10	19.15	19.25	19.40	19.48	19.63	19.62	19.58	19.38	19.20	18.85
27 0	19.06	19.09	19.10	19.26	19.42	19.45	19.60	19.63	19.56	19.43	19.12	18.87
32 0	19.10	19.10	19.16	19.25	19.44	19.45	19.61	19.62	19.53	19.40	19.09	18.82
37 0	19.12	19.08	19.17	19.25	19.40	19.42	19.64	19.62	19.50	19.38	19.09	18.82
42 0	19.10	19.15	19.19	19.26	19.40	19.40	19.59	19.64	19.47	19.32	19.06	18.81
47 0	19.04	19.05	19.20	19.33	19.40	19.51	19.58	19.60	19.49	19.30	19.05	18.81
52 0	19.08	19.10	19.20	19.35	19.40	19.50	19.59	19.62	19.52	19.28	19.04	18.81
57 0	19.11	19.10	19.21	19.35	19.46	19.60	19.60	19.60	19.50	19.27	19.02	18.81
Therm.	79°8	79°4	78°8	78°8	78°8	79°0	79°8	80°8	81°8	82°8	83°7	84°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.80	41.81	42.00	42.08	42.28	42.32	42.24	41.96	41.50	41.15	41.00	41.27
8 0	41.90	41.80	42.00	42.12	42.32	42.34	42.24	41.90	41.50	41.12	41.00	41.26
13 0	41.90	41.79	42.00	42.12	42.35	42.34	42.20	41.86	41.45	41.10	41.00	41.25
18 0	41.95	41.80	42.00	42.10	42.40	42.34	42.15	41.85	41.42	41.08	41.00	41.20
23 0	41.92	41.85	42.02	42.10	42.30	42.34	42.12	41.80	41.40	41.06	41.00	41.20
28 0	41.72	41.89	41.98	42.16	42.35	42.34	42.10	41.76	41.35	41.02	41.12	41.15
33 0	41.70	41.90	42.02	42.15	42.40	42.33	42.10	41.72	41.30	41.00	41.10	41.10
38 0	41.76	41.90	42.09	42.15	42.40	42.32	42.06	41.64	41.25	41.03	41.20	41.05
43 0	41.79	41.90	42.05	42.23	42.45	42.30	42.05	41.60	41.20	41.02	41.22	41.00
48 0	41.77	41.92	42.07	42.24	42.42	42.26	42.02	41.58	41.17	41.03	41.25	40.95
53 0	41.80	41.95	42.10	42.25	42.42	42.25	42.00	41.58	41.15	41.00	41.25	40.95
58 0	41.88	41.97	42.08	42.26	42.38	42.24	42.00	41.54	41.15	41.00	41.27	40.95
Therm.	81°3	81°0	80°3	80°4	80°1	80°0	80°3	81°0	81°2	82°6	83°4	84°0

TERM-DAY OBSERVATIONS, ON THE 19TH OF MARCH 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18'875	19'356	19'013	18'258	18'086	18'429	18'807	18'807	18'670	18'532	18'601	18'532
5 0	19.013	19.356	19.013	18.189	18.189	18.429	18.807	18.807	18.670	18.532	18.464	18.532
10 0	19.081	19.356	19.013	18.155	18.258	18.429	18.807	18.738	18.738	18.532	18.532	18.532
15 0	19.081	19.287	18.875	18.155	18.258	18.484	18.807	18.738	18.670	18.532	18.601	18.532
20 0	19.150	19.287	18.807	18.189	18.327	18.670	18.772	18.807	18.670	18.532	18.601	18.601
25 0	19.150	19.287	18.670	18.189	18.327	18.704	18.772	18.807	18.670	18.601	18.601	18.601
30 0	19.218	19.287	18.601	18.258	18.327	18.704	18.807	18.807	18.738	18.532	18.532	18.532
35 0	19.287	19.287	18.532	18.258	18.327	18.704	18.807	18.738	18.670	18.464	18.601	18.464
40 0	19.287	19.150	18.464	18.189	18.327	18.670	18.807	18.738	18.670	18.601	18.601	18.395
45 0	19.424	19.150	18.327	18.223	18.327	18.738	18.738	18.670	18.670	18.601	18.601	18.395
50 0	19.493	19.081	18.327	18.018	18.361	18.738	18.807	18.670	18.670	18.532	18.532	18.464
55 0	19.493	19.081	18.327	18.018	18.395	18.807	18.807	18.670	18.601	18.464	18.532	18.395

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.78	18.74	18.69	18.64	18.57	18.45	18.48	18.68	18.82	18.85	18.97	19.00
7 0	18.77	18.72	18.69	18.65	18.57	18.45	18.47	18.67	18.81	18.88	18.98	18.98
12 0	18.76	18.69	18.70	18.63	18.54	18.46	18.50	18.71	18.84	18.80	18.98	18.95
17 0	18.77	18.68	18.67	18.65	18.52	18.45	18.50	18.75	18.85	18.87	18.96	18.93
22 0	18.77	18.68	18.70	18.65	18.50	18.49	18.54	18.73	18.85	18.82	19.00	18.96
27 0	18.77	18.66	18.67	18.65	18.46	18.45	18.30	18.77	18.85	18.84	19.00	18.95
32 0	18.75	18.68	18.66	18.65	18.45	18.45	18.56	18.77	18.85	18.89	19.00	18.95
37 0	18.74	18.67	18.65	18.64	18.45	18.48	18.57	18.76	18.85	18.90	19.04	18.95
42 0	18.73	18.66	18.66	18.63	18.46	18.45	18.56	18.76	18.87	18.88	19.01	18.98
47 0	18.73	18.65	18.65	18.63	18.45	18.44	18.55	18.78	18.85	18.88	19.00	18.99
52 0	18.73	18.63	18.66	18.62	18.45	18.47	18.60	18.78	18.84	18.89	19.01	18.99
57 0	18.72	18.66	18.64	18.59	18.45	18.45	18.61	18.81	18.85	18.95	19.00	18.95
Therm.	85°0	85°2	85°0	84°4	83°6	83°0	82°6	82°3	82°1	81°7	81°7	81°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	40.93	40.59	40.35	40.25	40.48	40.74	41.00	41.10	41.25	41.40	41.50	41.50
8 0	40.91	40.54	40.33	40.26	40.56	40.75	41.00	41.13	41.30	41.40	41.55	41.48
13 0	40.89	40.50	40.30	40.26	40.56	40.76	41.05	41.10	41.30	41.40	41.58	41.45
18 0	40.86	40.50	40.25	40.28	40.58	40.78	41.03	41.10	41.30	41.42	41.58	41.45
23 0	40.83	40.47	40.22	40.29	40.60	40.85	41.03	41.15	41.30	41.43	41.58	41.45
28 0	40.80	40.50	40.20	40.30	40.60	40.85	41.05	41.18	41.28	41.45	41.58	41.45
33 0	40.80	40.50	40.20	40.38	40.60	40.88	41.07	41.20	41.35	41.45	41.60	41.50
38 0	40.77	40.50	40.17	40.39	40.62	40.90	41.09	41.20	41.35	41.45	41.56	41.50
43 0	40.75	40.44	40.17	40.40	40.62	40.94	41.03	41.23	41.40	41.45	41.52	41.50
48 0	40.72	40.42	40.22	40.44	40.66	40.95	41.05	41.25	41.40	41.49	41.56	41.50
53 0	40.68	40.40	40.25	40.50	40.72	40.95	41.10	41.25	41.40	41.50	41.50	41.49
58 0	40.63	40.38	40.25	40.48	40.75	41.00	41.10	41.25	41.40	41.50	41.50	41.48
Therm.	84°8	85°8	85°8	85°7	85°0	84°2	83°5	83°4	83°1	82°7	82°5	82°5

TERM-DAY OBSERVATIONS, ON THE 23RD OF APRIL 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	18'944	18'875	18'738	18'601	18'807	19'699	20'316	20'316	19'287	18'532	17'229	16'955
5 0	18.738	18.944	18.807	18.670	18.807	19.699	20.316	20.247	19.287	18.327	17.160	16.955
10 0	19.218	18.875	18.875	18.670	18.807	19.699	20.316	20.179	19.218	18.327	17.092	17.092
15 0	19.150	18.944	18.738	18.670	18.944	19.630	20.385	20.110	19.081	18.189	17.023	17.092
20 0	19.218	18.944	18.738	18.807	19.081	19.973	20.385	20.042	18.944	18.121	16.955	16.955
25 0	19.218	18.944	18.807	18.670	19.218	19.767	20.385	19.973	18.944	17.984	16.955	16.955
30 0	19.150	19.013	18.670	18.670	19.287	19.904	20.385	19.836	19.013	17.915	17.023	16.955
35 0	18.875	18.944	18.807	18.601	19.561	19.356	20.453	19.836	19.013	17.778	17.023	16.886
40 0	18.944	18.807	18.601	18.601	19.699	20.247	20.453	19.699	18.875	17.641	17.092	17.023
45 0	18.944	18.875	18.601	18.670	19.699	20.247	20.453	19.561	18.875	17.503	17.023	17.092
50 0	18.807	19.013	18.670	18.807	19.609	20.247	20.453	19.424	18.738	17.435	17.023	17.092
55 0	18.944	18.807	18.670	18.807	19.699	20.316	20.385	19.356	18.601	17.366	17.023	17.160

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.14	18.27	18.30	18.29	18.29	18.21	18.45	18.63	18.53	18.45	18.45	18.24
7 0	18.11	18.25	18.30	18.30	18.24	18.20	18.45	18.62	18.55	18.44	18.42	18.23
12 0	18.17	18.26	18.29	18.30	18.24	18.82	18.48	18.62	18.57	18.46	18.41	18.22
17 0	18.18	18.29	18.28	18.28	18.23	18.25	18.50	18.62	18.52	18.47	18.43	18.20
22 0	18.21	18.29	18.28	18.29	18.24	18.23	18.47	18.60	18.49	18.47	18.43	18.18
27 0	18.22	18.29	18.26	18.32	18.24	18.29	18.45	18.60	18.45	18.48	18.41	18.17
32 0	18.22	18.31	18.26	18.34	18.23	18.32	18.49	18.61	18.42	18.50	18.38	18.10
37 0	18.20	18.31	18.27	18.31	18.21	18.31	18.57	18.61	18.39	18.51	18.36	18.08
42 0	18.23	18.32	18.29	18.30	18.23	18.37	18.59	18.58	18.39	18.50	18.35	18.08
47 0	18.22	18.30	18.30	18.30	18.25	18.39	18.60	18.56	18.48	18.51	18.33	18.04
52 0	18.27	18.29	18.28	18.30	18.22	18.40	18.60	18.56	18.47	18.52	18.33	18.03
57 0	18.27	18.28	18.30	18.29	18.20	18.42	18.61	18.55	18.44	18.45	18.31	18.01
Therm.	84°8	84°8	84°7	84°9	84°7	85°0	85°8	86°7	87°5	88°2	88°6	88°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.88	41.94	41.92	42.00	42.07	42.01	41.93	41.48	41.00	40.65	40.38	40.35
8 0	41.89	41.95	41.90	42.04	42.07	42.00	41.92	41.42	40.98	40.60	40.38	40.36
13 0	41.90	41.95	41.90	42.05	42.06	42.00	41.90	41.38	40.95	40.58	40.36	40.34
18 0	41.91	41.95	41.88	42.05	42.06	42.01	41.90	41.36	40.92	40.55	40.35	40.34
23 0	41.92	41.97	41.88	42.03	42.06	42.00	41.92	41.38	40.92	40.52	40.35	40.33
28 0	41.92	41.96	41.90	42.05	42.09	42.00	41.86	41.30	40.90	40.50	40.36	40.33
33 0	41.94	41.94	41.90	42.02	42.10	42.00	41.80	41.24	40.88	40.48	40.36	40.32
38 0	41.94	41.94	41.95	42.01	42.05	41.98	41.75	41.18	40.85	40.44	40.37	40.31
43 0	41.90	41.94	41.98	42.00	42.05	41.95	41.65	41.18	40.78	40.40	40.38	40.28
48 0	41.90	41.95	42.00	42.00	42.03	41.92	41.56	41.12	40.75	40.38	40.36	40.26
53 0	41.92	41.95	42.00	42.00	42.02	41.95	41.55	41.08	40.72	40.36	40.35	40.24
58 0	41.94	41.94	42.00	42.06	42.01	41.95	41.50	41.02	40.70	40.38	40.35	40.22
Therm.	85°8	85°8	85°7	85°6	85°9	86°0	86°7	86°8	87°4	88°0	88°6	88°9

TERM-DAY OBSERVATIONS, ON THE 23RD OF APRIL 1856.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	17'160	17'503	18'395	18'670	18'944	18'327	18'052	18'464	18'189	18'464	18'875	19'767
5 0	17.160	17.641	18.464	18.807	18.944	18.327	18.052	18.189	18.327	18.532	18.738	19.630
10 0	17.229	17.641	18.464	18.875	18.944	18.327	17.984	18.464	18.258	18.532	18.944	19.356
15 0	17.092	17.778	18.532	18.738	18.944	18.395	17.984	18.121	18.532	18.670	19.013	19.013
20 0	17.160	17.846	18.532	18.807	18.944	18.258	17.984	18.052	18.258	18.601	18.875	18.944
25 0	17.229	18.121	18.532	18.807	18.807	18.327	18.121	18.189	18.189	18.532	19.013	18.807
30 0	17.229	18.121	18.532	18.738	18.738	18.258	18.189	18.327	18.395	18.532	18.807	18.875
35 0	17.229	18.189	18.601	18.876	18.738	18.121	18.052	18.258	18.189	18.601	19.150	19.081
40 0	17.298	18.258	18.670	18.875	18.738	18.121	18.121	18.258	18.532	18.532	19.081	18.807
45 0	17.366	18.327	18.601	18.944	18.670	18.189	18.121	18.327	18.807	18.601	19.561	18.875
50 0	17.366	18.395	18.670	18.944	18.532	18.189	18.258	18.121	18.532	18.807	19.013	19.013
55 0	17.503	18.395	18.670	18.944	18.395	18.121	18.327	18.121	18.670	18.670	19.767	19.081

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.00	17.83	17.75	17.65	17.75	17.84	18.00	18.04	18.23	18.24	18.16	18.18
7 0	17.95	17.82	17.79	17.64	17.79	17.85	18.01	18.03	18.21	18.19	18.14	18.16
12 0	17.92	17.82	17.79	17.62	17.82	17.85	18.03	18.07	18.24	18.17	18.14	18.20
17 0	17.93	17.81	17.76	17.60	17.75	17.89	18.02	18.10	12.23	18.16	18.14	18.26
22 0	17.93	17.83	17.74	17.60	17.79	17.91	18.04	18.14	18.27	18.19	18.14	18.27
27 0	17.87	17.80	17.75	17.58	17.82	17.90	18.00	18.10	18.24	18.18	18.13	18.32
32 0	17.86	17.81	17.74	17.55	17.80	17.93	17.96	18.10	18.25	18.19	18.14	18.33
37 0	17.85	17.80	17.73	17.60	17.83	17.91	17.95	18.10	18.25	18.22	18.14	18.34
42 0	17.84	17.79	17.73	17.63	17.79	17.90	17.95	18.19	18.25	18.22	18.16	18.34
47 0	17.86	17.76	17.72	17.65	17.76	17.91	17.95	18.16	18.20	18.23	18.15	18.30
52 0	17.86	17.76	17.70	17.69	17.79	17.91	17.94	18.19	18.25	18.21	18.17	18.38
57 0	17.83	17.76	17.67	17.73	17.81	17.90	18.00	18.22	18.20	18.16	18.18	18.37
Therm.	89°2	89°4	89°0	88°2	87°4	87°0	86°4	86°1	85°7	85°5	85°5	85°4

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	40.22	39.99	39.76	39.70	39.90	40.12	40.30	40.55	40.80	40.98	41.08	41.18
8 0	40.20	39.98	39.74	39.70	39.92	40.13	40.30	40.60	40.82	40.98	41.12	41.20
13 0	40.19	39.97	39.74	39.68	39.95	40.15	40.30	40.62	40.86	41.00	41.00	41.22
18 0	40.15	39.95	39.76	39.65	39.98	40.19	40.32	40.65	40.90	41.02	41.00	41.24
23 0	40.12	39.92	39.76	39.65	39.98	40.20	40.33	40.66	40.90	41.05	41.00	41.26
28 0	40.11	39.90	39.74	39.64	40.00	40.25	40.35	40.66	40.85	41.06	41.02	41.26
33 0	40.08	39.87	39.75	39.62	40.01	40.29	40.38	40.70	40.86	41.06	41.08	41.27
38 0	40.07	39.86	39.75	39.65	40.04	40.30	40.43	40.72	40.88	41.06	41.12	41.29
43 0	40.04	39.83	39.76	39.70	40.05	40.32	40.49	40.72	40.86	41.05	41.12	41.29
48 0	40.01	39.82	39.75	39.78	40.09	40.35	40.50	40.74	40.88	40.95	41.16	41.33
53 0	40.00	39.82	39.73	39.85	40.10	40.32	40.52	40.76	40.92	41.00	41.16	41.36
58 0	39.99	39.80	39.70	39.90	40.10	40.30	40.52	40.78	41.02	41.00	41.18	41.36
Therm.	89°2	89°5	89°1	88°7	88°4	88°2	88°0	87°2	87°2	87°0	86°9	86°6

TERM-DAY OBSERVATIONS, ON THE 30TH OF MAY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'218	19'218	19'424	19'356	20'042	20'728	20'179	19'699	18'601	17'572	17'229	17'846
5 0	19.424	19.218	19.493	19.287	20.179	20.659	20.042	19.561	18.464	17.572	17.298	17.846
10 0	19.356	19.150	19.081	19.287	20.179	20.728	20.042	19.493	18.327	17.503	17.298	17.915
15 0	19.493	19.356	19.287	19.424	20.385	20.728	20.042	19.424	18.258	17.503	17.366	17.915
20 0	19.493	19.287	19.424	19.493	20.385	20.865	19.973	19.356	18.052	17.435	17.503	17.915
25 0	19.356	19.218	19.424	19.561	20.453	20.933	20.110	19.287	17.984	17.366	17.503	17.915
30 0	19.150	19.287	19.287	19.630	20.385	20.933	20.043	19.287	17.984	17.298	17.572	17.915
35 0	19.356	19.218	19.218	19.699	20.385	20.728	20.042	19.081	17.915	17.229	17.641	17.984
40 0	19.356	19.287	19.356	19.699	20.247	20.728	19.973	19.013	17.778	17.229	17.709	17.984
45 0	19.218	19.356	19.356	19.699	20.247	20.659	19.836	18.944	17.709	17.229	17.709	18.052
50 0	19.218	19.081	19.356	19.630	20.247	20.659	19.836	18.875	17.641	17.298	17.709	18.052
55 0	19.252	19.081	19.356	19.973	20.453	20.728	19.699	18.738	17.641	17.298	17.778	18.052

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.80	18.70	18.80	18.90	18.90	18.90	19.00	19.12	19.14	19.03	18.97	18.69
7 0	18.70	18.70	18.83	18.90	18.91	18.86	19.01	19.12	19.13	19.03	18.95	18.64
12 0	18.72	18.70	18.82	18.87	18.92	18.89	19.02	19.14	19.14	19.03	18.91	18.61
17 0	18.54	18.70	18.82	18.89	18.90	18.90	19.05	19.15	19.14	19.03	18.86	18.60
22 0	18.52	18.71	18.83	18.90	18.87	18.92	19.01	19.16	19.13	18.97	18.81	18.60
27 0	18.59	18.74	18.85	18.89	18.89	18.95	19.03	19.14	19.10	18.94	18.80	18.61
32 0	18.73	18.74	18.85	18.85	18.92	18.98	19.01	19.12	19.07	18.93	18.78	18.62
37 0	18.70	18.77	18.90	18.87	18.93	18.95	19.06	19.12	19.06	18.92	18.80	18.62
42 0	18.72	18.75	18.92	18.89	18.90	18.95	19.07	19.11	19.06	18.96	18.78	18.60
47 0	18.75	18.76	18.93	18.90	18.90	18.98	19.10	19.11	19.05	18.94	18.78	18.59
52 0	18.75	18.75	18.95	18.90	18.92	18.96	19.11	19.11	19.05	18.92	18.76	18.56
57 0	18.75	18.75	18.98	18.90	18.90	18.95	19.11	19.13	19.03	18.94	18.72	18.57
Therm.	83°7	83°6	83°6	83°7	83°7	83°9	84°7	85°6	86°6	87°2	88°0	87°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.16	41.22	41.23	41.20	41.40	41.50	41.10	40.68	40.24	39.95	39.78	39.70
8 0	41.16	41.22	41.25	41.18	41.40	41.52	41.05	40.62	40.22	39.95	39.76	39.70
13 0	41.16	41.22	41.25	41.15	41.40	41.55	41.01	40.60	40.20	39.93	39.78	39.70
18 0	41.16	41.22	41.25	41.15	41.42	41.54	41.00	40.55	40.18	39.90	39.78	39.70
23 0	41.18	41.22	41.25	41.18	41.43	41.57	40.95	40.52	40.15	39.88	39.76	39.69
28 0	41.18	41.22	41.25	41.19	41.45	41.48	40.87	40.48	40.15	39.85	39.72	39.68
33 0	41.18	41.22	41.27	41.22	41.48	41.37	40.85	40.45	40.12	39.85	39.72	39.66
38 0	41.20	41.22	41.29	41.26	41.49	41.33	40.85	40.44	40.08	39.82	39.70	39.66
43 0	41.20	41.22	41.27	41.27	41.50	41.29	40.82	40.38	40.05	39.78	39.70	39.68
48 0	41.20	41.22	41.25	41.29	41.50	41.21	40.80	40.32	40.00	39.75	39.70	39.68
53 0	41.20	41.22	41.21	41.30	41.50	41.12	40.74	40.30	39.98	39.76	39.70	39.68
58 0	41.22	41.22	41.20	41.37	41.50	41.10	40.70	40.28	39.98	39.78	39.70	39.68
Therm.	84°1	84°0	84°0	84°0	83°8	84°2	84°7	85°0	85°9	86°9	87°7	87°8

TERM-DAY OBSERVATIONS, ON THE 30TH OF MAY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18·052	17·778	18·601	19·013	18·670	18·670	18·327	18·532	19·013	19·218	19·218	19·287
5 0	17.984	17.846	18.601	19.013	18.738	18.738	18.395	18.395	18.738	18.944	19.218	19.218
10 0	17.984	17.915	18.738	19.081	18.807	18.738	18.395	18.601	18.875	19.218	19.424	19.150
15 0	17.984	18.052	18.738	19.150	18.738	18.395	18.327	18.532	18.601	19.013	19.424	19.218
20 0	17.915	17.984	18.807	19.081	18.532	18.327	18.395	18.601	18.944	19.013	19.493	19.150
25 0	17.915	18.052	18.670	19.081	18.327	18.327	18.121	18.601	18.944	19.218	19.424	19.218
30 0	17.846	18.121	18.738	19.013	18.052	18.395	18.395	18.670	18.944	19.081	19.424	19.218
35 0	17.846	18.189	18.738	18.944	17.984	18.121	18.532	18.807	19.081	18.944	19.287	19.150
40 0	17.778	18.395	18.807	18.875	17.984	18.052	18.327	18.875	18.875	18.875	19.287	19.150
45 0	17.778	18.464	18.807	18.601	18.258	18.327	18.395	18.875	18.944	18.807	19.218	17.150
50 0	17.778	18.464	18.738	18.395	18.601	18.395	18.532	19.013	19.081	18.944	19.287	19.081
55 0	17.778	18.601	18.944	18.532	18.670	18.327	18.601	18.875	19.150	19.150	19.150	19.081

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.57	18.37	18.17	18.30	18.45	18.55	18.50	18.69	18.80	18.81	18.84	18.89
7 0	18.51	18.37	18.16	18.27	18.43	18.58	18.53	18.70	18.86	18.80	18.83	18.89
12 0	18.50	18.31	18.24	18.29	18.40	18.59	18.63	18.77	18.83	18.79	18.83	18.88
17 0	18.49	18.24	18.15	18.32	18.42	18.55	18.70	18.79	18.86	18.82	18.84	18.90
22 0	18.47	18.23	18.18	18.30	18.43	18.55	18.65	18.77	18.65	18.82	18.84	18.85
27 0	18.44	18.22	18.18	18.28	18.45	18.60	18.58	18.76	18.75	18.83	18.85	18.90
32 0	18.44	18.20	18.19	18.32	18.45	18.60	18.65	18.80	18.81	18.82	18.85	18.85
37 0	18.43	18.22	18.19	18.35	18.47	18.62	18.66	18.75	18.77	18.81	18.86	18.87
42 0	18.40	18.22	18.19	18.32	18.50	18.60	18.67	18.81	18.74	18.80	18.86	18.87
47 0	18.41	18.20	18.19	18.40	18.52	18.60	18.68	18.78	18.78	18.81	18.87	18.86
52 0	18·41	18.20	18.25	18.37	18.54	18.58	18.68	18.71	18.80	18.82	18.89	18.87
57 0	18.39	18.17	18.30	18.42	18.53	18.55	18.68	18.80	18.77	18.86	18.89	18.89
Therm.	87°5	87°0	86°0	85°1	84°1	84°0	83°7	83°7	83°2	83°0	83°0	83°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	39.67	39.76	40.06	40.27	40.45	40.85	41.10	41.25	41.28	41.32	41.38	41.37
8 0	39.68	39.76	40.09	40.30	40.42	40.87	41.10	41.25	41.28	41.33	41.35	41.37
13 0	39.69	39.76	40.15	40.30	40.40	40.90	41.09	41.25	41.25	41.35	41.40	41.37
18 0	39.70	39.82	40.16	40.26	40.43	40.90	41.10	41.24	41.26	41.34	41.38	41.37
23 0	39.70	39.85	40.20	40.25	40.45	40.95	41.10	41.25	41.30	41.32	41.40	41.37
28 0	39.70	39.88	40.21	40.28	40.49	40.98	41.07	41.25	41.30	41.34	41.35	41.37
33 0	39.70	39.90	40.24	40.32	40.50	41.00	41.05	41.25	41.30	41.35	41.35	41.37
38 0	39.65	39.92	40.25	40.35	40.54	41.03	41.22	41.23	41.32	41.38	41.35	41.37
43 0	39.70	39.96	40.25	40.39	40.59	41.01	41.22	41.24	41.32	41.38	41.38	41.37
48 0	39.70	40.00	40.27	40.45	40.68	41.01	41.24	41.28	41.33	41.38	41.38	41.35
53 0	39.70	40.02	40.25	40.45	40.70	41.05	41.24	41.26	41.33	41.38	41.36	41.35
58 0	39.72	40.07	40.25	40.45	40.80	41.08	41.25	41.26	41.34	41.38	41.36	41.35
Therm.	87°5	86°9	85°8	85°2	85°0	84°3	83°8	83°7	83°7	83°5	83°4	83°8

TERM-DAY OBSERVATIONS, ON THE 18TH OF JUNE 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'287	19'218	19'150	19'699	20'385	21'071	20'659	19'424	18'464	17'984	16'955	16'406
5 0	19.013	19.081	19.150	19.699	20.385	21.002	20.590	19.424	18.429	17.915	16.955	16.337
10 0	19.218	19.287	19.081	19.767	20.385	21.071	20.522	19.287	18.429	17.846	16.886	16.337
15 0	19.013	19.287	19.013	19.904	20.590	21.139	20.385	19.081	18.395	17.778	16.886	16.406
20 0	18.944	19.218	19.081	19.904	20.728	21.139	20.247	19.013	18.327	17.709	16.817	16.474
25 0	19.561	18.875	19.218	19.904	20.796	21.071	20.110	18.944	18.327	17.572	16.680	16.543
30 0	19.424	19.013	19.218	19.973	20.865	21.071	20.042	18.807	18.327	17.572	16.680	16.543
35 0	19.150	18.807	19.287	19.973	20.933	21.071	19.973	18.670	18.189	17.366	16.612	16.543
40 0	19.218	18.807	19.287	19.973	21.071	21.071	19.904	18.670	18.189	17.229	16.612	16.543
45 0	19.081	18.875	19.287	20.179	21.071	20.865	19.699	18.601	18.121	17.160	16.612	16.612
50 0	19.356	18.807	19.356	20.110	21.002	20.728	19.630	18.532	17.984	17.092	16.543	16.612
55 0	19.356	18.875	19.493	20.110	21.002	20.659	19.561	18.464	17.915	16.955	16.474	16.680

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.10	18.17	18.17	18.25	18.30	18.35	18.51	18.44	18.38	18.31	18.22	18.16
7 0	18.10	18.15	18.16	18.23	18.30	18.38	18.45	18.43	18.37	18.29	18.20	18.14
12 0	18.11	18.14	18.22	18.25	18.31	18.39	18.42	18.41	18.32	18.40	18.19	18.13
17 0	18.08	18.18	18.21	18.27	18.28	18.37	18.40	18.38	18.31	18.35	18.19	18.12
22 0	18.11	18.25	18.22	18.28	18.27	18.39	18.42	18.36	18.30	18.34	18.17	18.12
27 0	18.10	18.17	18.22	18.29	18.25	18.43	18.40	18.38	18.30	18.30	18.15	18.11
32 0	18.10	18.12	18.22	18.25	18.25	18.40	18.40	18.41	18.30	18.29	18.15	18.09
37 0	18.13	18.11	18.21	18.29	18.25	18.41	18.39	18.43	18.29	18.22	18.12	18.08
42 0	18.13	18.15	18.20	18.30	18.25	18.40	18.40	18.44	18.29	18.20	18.12	18.06
47 0	18.14	18.16	18.25	18.31	18.29	18.40	18.42	18.42	18.30	18.20	18.13	18.04
52 0	18.19	18.16	18.25	18.30	18.31	18.42	18.45	18.40	18.33	18.20	18.16	18.03
57 0	18.15	18.18	18.24	18.27	18.31	18.45	18.44	18.39	18.32	18.20	18.16	18.00
Therm.	84°8	84°6	84°5	84°7	84°7	84°9	85°7	86°7	87°5	88°2	89°5	89°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	37.52	37.68	37.80	38.00	38.15	38.12	37.90	37.34	37.06	36.70	36.44	36.12
8 0	37.52	37.70	37.82	38.01	38.15	38.10	37.90	37.30	37.05	36.70	36.42	36.06
13 0	37.52	37.72	37.85	38.02	38.15	38.10	37.89	37.25	37.02	36.70	36.40	36.10
18 0	37.54	37.73	37.85	38.03	38.15	38.08	37.80	37.22	37.00	36.68	36.40	36.10
23 0	37.55	37.75	37.88	38.04	38.15	38.02	37.74	37.22	36.98	36.60	36.34	36.14
28 0	37.55	37.72	37.90	38.04	38.15	37.98	37.70	37.20	36.96	36.58	36.30	36.10
33 0	37.58	37.74	37.92	38.05	38.15	37.95	37.65	37.18	36.92	36.56	36.30	36.10
38 0	37.60	37.73	37.90	38.10	38.16	37.96	37.57	37.15	36.88	36.56	36.35	36.09
43 0	37.62	37.75	37.96	38.12	38.15	37.95	37.48	37.12	36.84	36.54	36.30	36.06
48 0	37.63	37.76	37.96	38.15	38.15	37.94	37.46	37.10	36.80	36.52	36.28	36.06
53 0	37.63	37.78	37.98	38.15	38.15	37.90	37.40	37.10	36.72	36.50	36.22	36.05
58 0	37.66	37.80	38.00	38.17	38.12	37.90	37.38	37.06	36.70	36.46	36.16	36.02
Therm.	85°3	85°0	85°0	85°1	85°4	85°7	86°0	86°3	87°0	87°7	88°0	88°9

TERM-DAY OBSERVATIONS, ON THE 18TH OF JUNE 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	16′612	17′092	18′121	18′670	18′327	18′327	18′258	18′601	18′875	18′944	19′013	19′013
5 0	16.612	17.229	18.258	18.601	18.327	18.327	18.189	18.601	18.807	19.081	19.013	19.150
10 0	16.680	17.229	18.395	18.670	18.258	18.327	18.189	18.670	18.944	18.875	19.081	19.081
15 0	16.612	17.366	18.395	18.601	18.258	18.395	18.121	18.670	18.875	19.013	19.081	19.081
20 0	16.612	17.435	18.395	18.601	18.258	18.395	18.121	18.738	18.944	19.081	19.150	19.218
25 0	16.680	17.503	18.464	18.532	18.189	18.395	18.189	18.738	18.944	19.013	19.150	19.150
30 0	16.749	17.503	18.601	18.532	18.327	18.327	18.327	18.738	18.944	19.150	19.218	19.287
35 0	16.886	17.641	18.670	18.532	18.532	18.258	18.464	18.670	19.013	19.081	19.287	19.287
40 0	17.092	17.709	18.670	18.395	18.532	18.258	18.464	18.738	18.670	19.218	19.218	19.287
45 0	16.886	17.915	18.601	18.395	18.532	18.189	18.464	18.670	18.807	19.218	19.287	19.218
50 0	16.955	17.984	18.601	18.532	18.601	18.189	18.532	18.807	18.875	19.150	19.218	19.150
55 0	17.092	18.052	18.601	18.395	18.395	18.258	18.532	18.807	19.013	19.150	19.013	18.944

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	17.99	17.82	17.66	17.65	17.69	17.75	17.75	17.74	17.85	18.04	18.20	18.14
7 0	17.96	17.81	17.62	17.65	17.70	17.73	17.76	17.76	17.85	18.00	18.18	18.14
12 0	17.95	17.78	17.63	17.63	17.70	17.75	17.75	17.75	17.85	18.03	18.17	18.14
17 0	17.93	17.78	17.63	17.64	17.69	17.75	17.75	17.75	17.87	18.00	18.17	18.16
22 0	17.95	17.77	17.63	17.65	17.68	17.75	17.75	17.77	17.87	18.05	18.17	18.18
27 0	17.91	17.76	17.61	17.65	17.70	17.73	17.75	17.79	17.90	18.02	18.16	18.19
32 0	17.90	17.76	17.61	17.65	17.70	17.72	17.72	17.79	17.92	18.05	18.15	18.19
37 0	17.84	17.75	17.60	17.65	17.72	17.75	17.71	17.80	17.94	18.06	18.12	18.17
42 0	17.80	17.72	17.63	17.65	17.75	17.75	17.72	17.82	17.97	18.10	18.11	18.16
47 0	17.83	17.70	17.64	17.63	17.75	17.75	17.75	17.80	18.00	18.10	18.13	18.22
52 0	17.84	17.69	17.63	17.62	17.75	17.72	17.76	17.84	18.02	18.15	18.13	18.25
57 0	17.82	17.68	17.60	17.67	17.75	17.75	17.76	17.83	18.02	18.22	18.12	18.17
Therm.	89°3	89°2	89°1	88°8	88°0	87°0	87°0	86°5	86°2	86°0	85°9	85°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	36.00	35.95	35.96	35.80	35.60	35.90	36.24	36.46	36.73	36.90	37.08	37.26
8 0	36.00	35.95	35.95	35.79	35.60	35.96	36.25	36.50	36.75	36.92	37.08	37.28
13 0	36.00	35.98	35.90	35.78	35.58	35.98	36.29	36.50	36.75	36.92	37.10	37.30
18 0	35.98	35.96	35.88	35.75	35.56	35.98	36.32	36.52	36.76	36.93	37.15	37.30
23 0	35.98	35.95	35.86	35.75	35.54	36.01	36.35	36.56	36.80	36.97	37.18	37.31
28 0	35.99	35.96	35.86	35.75	35.56	36.05	36.32	36.56	36.80	37.00	37.20	37.26
33 0	36.00	35.94	35.85	35.73	35.62	36.09	36.39	36.56	36.84	37.00	37.20	37.27
38 0	36.01	35.94	35.85	35.72	35.65	36.13	36.40	36.58	36.84	37.02	37.22	37.31
43 0	35.98	35.94	35.83	35.70	35.69	36.18	36.40	36.60	36.84	37.06	37.21	37.32
48 0	35.94	35.94	35.80	35.70	35.78	36.20	36.42	36.62	36.85	37.06	37.22	37.33
53 0	35.94	35.93	35.80	35.67	35.85	36.20	36.42	36.70	36.88	37.08	37.24	37.33
58 0	35.94	35.92	35.80	35.60	35.90	36.20	36.44	36.72	36.90	37.10	37.25	37.35
Therm.	89°2	89°4	89°3	89°7	89°0	88°3	87°8	87°2	87°0	86°7	86°3	86°3

TERM-DAY OBSERVATIONS, ON THE 23RD OF JULY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19′356	19′150	18′807	19′013	16′930	20′042	20′522	19′561	17′778	16′680	15′107	15′651
5 0	19.287	19.081	18.738	19.013	19.356	20.179	20.247	19.287	17.845	16.612	14.965	15.720
10 0	19.081	19.081	18.944	19.150	19.630	20.247	20.385	18.807	17.915	16.612	14.897	15.651
15 0	19.013	19.013	19.013	18.944	19.630	20.316	20.385	18.738	17.778	16.200	14.897	15.720
20 0	19.013	18.944	19.081	19.081	19.699	20.316	20.453	18.601	17.709	15.926	14.828	15.788
25 0	19.013	18.944	19.013	19.013	19.630	20.316	20.316	18.670	17.503	15.857	14.897	15.994
30 0	19.081	19.013	19.013	19.287	19.630	20.247	20.042	18.532	17.572	15.583	14.965	15.994
35 0	19.287	19.013	19.150	19.150	19.767	20.316	20.042	18.532	17.366	15.377	15.034	16.131
40 0	19.013	19.013	19.013	19.493	19.904	20.316	19.767	18.189	17.366	15.240	15.171	16.200
45 0	19.081	19.287	18.875	19.836	19.904	20.728	19.630	18.189	17.229	15.308	15.308	16.269
50 0	19.081	19.150	19.081	19.356	19.973	20.933	19.424	17.846	17.023	15.034	15.377	16.269
55 0	19.013	18.944	19.013	19.424	20.110	20.728	19.767	17.915	16.886	15.240	15.514	16.200

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.80	18.65	18.70	18.70	18.71	18.85	19.09	19.38	19.55	19.71	19.66	19.43
7 0	18.78	18.60	18.73	18.79	18.84	18.92	19.13	19.42	19.60	19.68	19.66	19.41
12 0	18.75	18.57	18.75	18.85	18.87	18.92	19.15	19.44	19.63	19.68	19.65	19.40
17 0	18.68	18.65	18.70	18.78	18.85	18.92	19.18	19.44	19.64	19.66	19.62	19.37
22 0	18.55	18.69	18.67	18.75	18.81	18.91	19.20	19.47	19.66	19.71	19.59	19.34
27 0	18.59	18.65	18.65	18.75	18.90	18.91	19.21	19.49	19.69	19.71	19.55	19.31
32 0	18.60	18.62	18.61	18.79	18.89	18.90	19.23	19.48	19.70	19.61	19.55	19.27
37 0	18.56	18.60	18.65	18.69	18.90	18.90	19.27	19.45	19.74	19.68	19.53	19.25
42 0	18.60	18.57	18.70	18.82	18.90	18.89	19.30	19.51	19.71	19.65	19.52	19.22
47 0	18.60	18.60	18.63	18.80	18.89	18.90	19.28	19.55	19.77	19.61	19.49	19.20
52 0	18.62	18.63	18.65	18.82	18.93	19.00	19.27	19.56	19.84	19.63	19.47	19.19
57 0	18.60	18.65	18.70	18.78	18.90	19.10	19.35	19.57	19.74	19.65	19.45	19.18
Therm.	81°0	80°9	80°8	80°1	80°3	81°0	79°9	79°7	80°0	79°6	80°0	79°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	30.55	30.55	30.60	30.70	30.98	31.00	30.97	30.98	30.99	31.00	31.00	31.00
8 0	30.54	30.58	30.60	30.75	30.98	31.00	30.95	30.97	30.96	31.00	31.00	31.00
13 0	30.52	30.59	30.60	30.75	30.97	31.00	30.96	30.98	30.95	31.00	31.00	31.00
18 0	30.50	30.57	30.60	30.79	30.97	31.00	30.98	30.98	30.97	31.00	31.00	31.00
23 0	30.55	30.55	30.60	30.80	30.95	31.00	30.98	30.98	30.97	31.00	31.00	31.00
28 0	30.58	30.55	30.60	30.89	30.98	31.00	30.98	30.99	30.98	31.00	31.00	31.00
33 0	30.58	30.53	30.60	30.94	30.98	31.00	30.97	31.00	30.99	31.00	31.00	31.00
38 0	30.55	30.50	30.65	30.95	30.98	31.00	30.97	31.00	30.98	31.00	31.00	31.00
43 0	30.55	30.50	30.69	30.95	30.98	31.00	31.00	30.98	31.00	31.00	31.00	31.00
48 0	30.55	30.55	30.70	30.97	31.00	30.98	31.00	30.98	31.00	31.00	31.00	30.98
53 0	30.55	30.60	30.70	30.98	30.99	30.97	30.98	31.00	31.00	31.00	31.00	30.95
58 0	30.55	30.60	30.70	30.98	30.99	30.97	31.00	31.00	31.00	31.00	31.00	30.95
Therm.	81°2	81°1	81°0	80°8	80°4	81°0	80°4	80°3	80°2	80°0	80°1	80°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF JULY 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	16'269	18'052	18'670	18'670	18'189	17'846	17'641	17'366	17'915	17'709	18'327	18'121
5 0	16.637	18.258	18.738	18.601	18.189	17.846	17.641	17.438	17.709	17.778	18.327	18.121
10 0	16.749	18.327	18.738	18.601	18.121	17.846	17.572	17.641	17.709	17.915	18.258	18.121
15 0	17.160	18.395	18.944	18.532	18.052	17.915	17.572	17.778	17.846	17.915	18.189	18.121
20 0	17.160	18.414	18.944	18.532	18.052	17.915	17.503	17.778	17.846	17.984	18.189	18.052
25 0	17.366	18.532	19.013	18.464	17.984	17.846	17.503	17.572	17.915	18.052	18.121	18.052
30 0	17.092	18.532	18.944	18.327	17.984	17.846	17.641	17.778	17.915	18.121	18.052	18.052
35 0	17.435	18.395	19.013	18.327	17.915	17.778	17.572	17.915	17.915	18.327	18.052	18.052
40 0	17.641	18.395	18.944	18.327	17.915	17.778	17.641	17.641	17.984	18.327	18.052	17.984
45 0	17.641	18.601	18.875	18.327	17.846	17.709	17.572	17.915	17.915	18.327	18.121	17.984
50 0	17.846	18.670	18.738	18.327	17.778	17.641	17.572	17.984	17.778	18.327	18.189	17.984
55 0	17.915	18.601	18.670	18.258	17.778	17.641	17.572	17.915	17.915	18.327	18.189	17.915

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.19	18.95	18.85	18.86	18.71	18.67	18.61	18.83	18.81	18.75	18.85	19.01
7 0	19.15	18.97	18.85	18.84	18.71	18.65	18.68	18.83	18.80	18.77	18.87	19.00
12 0	19.13	18.92	18.83	18.83	18.73	18.65	18.70	18.83	18.80	18.79	18.89	19.00
17 0	19.09	18.90	18.80	18.80	18.72	18.64	18.70	18.80	18.77	18.80	18.92	19.00
22 0	19.05	18.85	18.89	18.78	18.72	18.66	18.71	18.81	18.77	18.81	18.94	19.00
27 0	19.03	18.85	18.85	18.76	18.70	18.64	18.74	18.82	18.75	18.81	18.95	19.01
32 0	19.05	18.85	18.87	18.76	18.69	18.61	18.78	18.76	18.75	18.82	18.95	19.00
37 0	19.04	18.89	18.87	18.75	18.68	18.61	18.80	18.75	18.74	18.82	18.95	19.00
42 0	19.05	18.87	18.87	18.74	18.69	18.66	18.82	18.81	18.72	18.85	18.93	19.00
47 0	19.01	18.83	18.86	18.72	18.69	18.70	18.78	18.80	18.72	18.85	18.95	19.03
52 0	19.01	18.80	18.86	18.70	18.69	18.67	18.78	18.79	18.73	18.85	18.98	19.07
57 0	19.00	18.83	18.86	18.70	18.69	18.67	18.79	18.79	18.74	18.85	19.00	19.09
Therm.	79°9	79°3	79°8	80°7	81°0	80°9	80°0	79°5	79°7	79°5	79°7	79°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	30.95	30.95	31.00	31.03	30.99	30.98	30.94	31.00	31.00	31.02	31.02	31.04
8 0	30.93	31.00	31.03	31.03	30.98	30.98	30.93	31.00	31.00	31.02	31.02	31.04
13 0	30.90	31.00	31.04	31.04	30.98	30.98	30.93	31.00	31.00	31.02	31.02	31.03
18 0	30.90	31.00	31.05	31.04	30.98	30.98	30.93	31.00	31.02	31.02	31.02	31.03
23 0	30.90	31.00	31.03	31.03	30.98	30.98	30.93	31.00	31.01	31.02	31.02	31.03
28 0	30.91	31.00	31.02	31.02	30.97	30.97	30.93	31.00	31.00	31.02	31.02	31.02
33 0	30.90	31.00	31.04	31.00	30.97	30.97	30.92	31.00	31.00	31.04	31.02	31.02
38 0	30.89	31.01	31.04	31.00	30.97	30.97	30.98	31.00	31.00	31.04	31.02	31.05
43 0	30.86	31.03	31.04	31.00	30.97	30.96	30.98	31.00	31.00	31.03	31.02	31.05
48 0	30.89	31.02	31.05	31.00	30.97	30.96	30.98	31.00	31.00	31.02	31.02	31.05
53 0	30.95	31.01	31.05	31.00	30.97	30.95	30.98	31.00	31.00	31.02	31.02	31.05
58 0	30.95	31.02	31.05	30.99	30.97	30.94	31.00	31.00	31.00	31.02	31.05	31.05
Therm.	80°3	80°4	80°2	80°9	81°2	81°2	81°0	80°2	80°1	80°0	79°8	80°2

TERM-DAY OBSERVATIONS, ON THE 29TH OF AUGUST 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'287	19'218	19'081	19'013	21'139	22'444	21'345	19'904	18'052	17'160	16'612	16'749
5 0	19.287	19.218	19.150	19.218	21.349	22.444	21.345	19.767	17.915	17.092	16.406	16.749
10 0	19.218	19.218	19.150	19.218	21.482	22.512	21.551	19.493	17.915	17.023	16.337	16.680
15 0	19.287	19.218	19.287	19.356	21.551	22.512	21.208	19.356	17.778	16.955	16.337	16.886
20 0	19.287	19.218	19.287	19.561	21.758	22.444	21.002	19.218	17.709	16.955	16.337	16.886
25 0	19.287	19.150	19.287	19.699	21.895	22.444	20.933	19.081	17.572	16.886	16.337	16.955
30 0	19.218	19.218	19 218	19.904	21.963	22.374	20.933	18.944	17.503	16.886	16.406	17.160
35 0	19.218	19.218	19.150	20.110	22.101	22.374	20.659	18.738	17.503	16.817	16.474	17.229
40 0	19.150	19.287	19.081	20.316	22.237	22.305	20.110	18.601	17.298	16.749	16.474	17.435
45 0	19.150	19.287	19.081	20.590	22.237	22.305	20.316	18.395	17.298	16.749	16.406	17.503
50 0	19.150	19.218	19.013	20.728	22.305	22.032	20.179	18.327	17.229	16.680	16.612	17.572
55 0	19.218	19.150	19.013	20.933	22.444	21.758	20.110	18.258	17.229	16.817	16.612	17.641

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.59	18.60	18.61	18.70	18.66	18.61	18.75	19.07	19.10	18.95	18.75	18.71
7 0	18.59	18.59	18.61	18.69	18.64	18.61	18.75	19.09	19.08	18.93	18.75	18.70
12 0	18.58	18.59	18.60	18.70	18.63	18.62	18.86	19.09	19.06	18.90	18.73	18.70
17 0	18.58	18.58	18.60	18.61	18.64	18.62	18.86	19.10	19.04	18.88	18.73	18.69
22 0	18.58	18.60	18.61	18.61	18.62	18.68	18.86	19.11	19.04	18.86	18.74	18.69
27 0	18.59	18.59	18.60	18.60	18.62	18.68	18.86	19.13	19.04	18.85	18.73	18.67
32 0	18.59	18.59	18.60	18.62	18.66	18.66	18.86	19.14	19.04	18.84	18.73	18.65
37 0	18.57	18.60	18.65	18.65	18.64	18.64	18.92	19.15	19.03	18.83	18.71	18.63
42 0	18.58	18.60	18.67	18.66	18.67	18.63	19.00	19.16	19.02	18.80	18.74	18.62
47 0	18.60	18.59	18.67	18.68	18.65	18.67	19.04	19.15	19.00	18.80	18.72	18.61
52 0	18.61	18.60	18.67	18.67	18.62	18.70	19.10	19.13	18.98	18.78	18.71	18.60
57 0	18.61	18.60	18.70	18.66	18.61	18.76	19.06	19.12	18.96	18.75	18.70	18.60
Therm.	81°8	81°7	81°6	81°3	80°9	81°0	80°5	81°0	81°8	82°9	83°1	83°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	31.45	31.45	31.45	31.45	31.51	31.49	31.47	31.50	31.52	31.50	31.50	31.49
8 0	31.45	31.45	31.45	31.47	31.50	31.49	31.47	31.48	31.52	31.49	31.50	31.49
13 0	31.45	31.45	31.45	31.48	31.49	31.50	31.47	31.48	31.52	31.49	31.50	31.49
18 0	31.45	31.45	31.45	31.49	31.50	31.49	31.46	31.48	31.52	31.50	31.50	31.49
23 0	31.45	31.45	31.43	31.49	31.50	31.48	31.46	31.49	31.52	31.50	31.48	31.48
28 0	31.42	31.45	31.42	31.50	31.51	31.48	31.48	31.49	31.50	31.50	31.48	31.50
33 0	31.42	31.45	31.43	31.50	31.51	31.48	31.48	31.50	31.50	31.50	31.48	31.50
38 0	31.42	31.45	31.43	31.51	31.50	31.48	31.48	31.50	31.50	31.50	31.49	31.50
43 0	31.45	31.45	31.43	31.50	31.51	31.47	31.48	31.50	31.50	31.50	31.49	31.49
48 0	31.45	31.45	31.42	31.50	31.49	31.47	31.48	31.50	31.50	31.50	31.49	31.49
53 0	31.45	31.45	31.44	31.49	31.49	31.47	31.48	31.50	31.50	31.50	31.49	31.49
58 0	31.45	31.45	31.44	31.48	31.48	31.47	31.50	31.52	31.50	31.50	31.49	31.48
Therm.	82°9	82°8	82°6	82°5	82°3	82°3	81°7	81°4	81°9	82°8	83°0	83°7

TERM-DAY OBSERVATIONS, ON THE 29TH OF AUGUST 1856.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18'052	19'356	20'385	19'699	18'944	18'738	18'601	19'013	18'738	18'875	19'287	19'218
5 0	18.189	19.424	20.316	19.561	18.875	18.670	18.601	19.013	18.738	19.013	19.287	19.218
10 0	18.327	19.443	20.316	19.561	18.738	18.532	18.532	18.944	18.670	19.013	19.218	19.287
15 0	18.395	19.443	20.385	19.424	18.464	18.670	18.532	19.013	18.670	19.081	19.218	19.287
20 0	18.601	19.904	20.316	19.424	18.395	18.738	18.601	19.013	18.670	19.150	19.287	19.287
25 0	18.601	19.973	20.316	19.494	18.532	18.601	18.738	19.081	18.670	19.150	19.218	19.287
30 0	18.670	20.042	20.316	19.356	18.670	18.532	18.875	19.013	18.738	19.150	19.218	16.218
35 0	18.738	20.042	20.247	19.356	18.738	18.532	19.013	19.013	18.738	19.150	19.218	19.356
40 0	18.944	20.316	20.247	19.081	18.807	18.601	19.081	18.944	18.738	19.150	19.218	19.493
45 0	19.150	20.316	20.042	19.150	18.807	18.601	19.150	19.013	18.738	19.150	19.218	19.699
50 0	19.218	20.316	20.042	19.013	18.738	18.601	19.150	18.875	18.738	19.287	19.218	19.493
55 0	19.287	20.385	19.699	19.013	18.807	18.601	19.081	18.807	18.807	19.287	19.218	19.424

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.58	18.45	18.45	18.69	18.85	18.55	18.55	18.58	18.63	18.55	18.69	18.65
7 0	18.56	18.48	18.45	18.68	18.72	18.56	18.54	18.60	18.61	18.57	18.68	18.65
12 0	18.52	18.49	18.45	18.68	18.60	18.57	18.55	18.54	18.62	18.59	18.69	18.67
17 0	18.50	18.49	18.50	18.67	18.55	18.57	18.56	18.54	18.62	18.58	18.69	18.64
22 0	18.48	18.50	18.54	18.66	18.50	18.58	18.55	18.59	18.60	18.57	18.69	18.65
27 0	18.48	18.50	18.55	18.62	18.52	18.57	18.54	18.59	18.58	18.59	18.68	18.69
32 0	18.48	18.51	18.52	18.60	18.55	18.56	18.55	18.60	18.56	18.60	18.68	18.70
37 0	18.45	18.51	18.60	18.61	18.56	18.58	18.55	18.57	18.55	18.61	18.67	18.72
42 0	18.42	18.51	18.62	18.65	18.55	18.56	18.56	18.59	18.53	18.63	18.67	18.75
47 0	18.42	18.45	18.60	18.70	18.54	18.55	18.57	18.59	18.53	18.64	18.67	18.78
52 0	18.45	18.45	18.62	18.75	18.53	18.54	18.55	18.58	18.53	18.63	18.65	18.84
57 0	18.41	18.45	18.69	18.80	18.53	18.54	18.56	18.62	18.55	18.67	18.64	18.89
Therm.	83°9	83°2	82°6	81°0	80°8	80°8	80°9	80°7	80°5	80°4	80°6	80°3

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	31.48	31.48	31.48	31.47	31.47	31.48	31.51	31.53	31.54	31.55	31.57	31.58
8 0	31.48	31.49	31.48	31.46	31.46	31.48	31.51	31.54	31.54	31.55	31.57	31.58
13 0	31.45	31.48	31.48	31.46	31.46	31.48	31.51	31.54	31.54	31.55	31.57	31.58
18 0	31.45	31.48	31.48	31.46	31.46	31.49	31.52	31.52	31.54	31.55	31.57	31.58
23 0	31.45	31.48	31.48	31.46	31.46	31.50	31.51	31.53	31.54	31.55	31.57	31.57
28 0	31.49	31.48	31.48	31.47	31.46	31.51	31.51	31.53	31.54	31.56	31.57	31.57
33 0	31.49	31.47	31.47	31.47	31.46	31.50	31.52	31.53	31.54	31.56	31.57	31.56
38 0	31.48	31.46	31.48	31.47	31.47	31.51	31.52	31.53	31.54	31.56	31.57	41.55
43 0	31.48	31.47	31.47	31.47	31.47	31.51	31.52	31.54	31.54	31.56	31.57	31.55
48 0	31.48	31.48	31.47	31.46	31.47	31.52	31.52	31.54	31.54	31.56	31.58	31.55
53 0	31.48	31.48	31.48	31.47	31.47	31.52	31.53	31.54	31.54	31.56	31.58	31.53
58 0	31.48	31.48	31.47	31.47	31.47	31.51	31.53	31.54	31.55	31.57	31.58	31.50
Therm.	84°2	83°9	83°8	82°7	82°0	81°8	82°5	81°4	81°1	81°0	81°1	80°7

TERM-DAY OBSERVATIONS, ON THE 24TH OF SEPTEMBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	18'738	18'670	18'670	18'738	18'375	19'973	20'247	20'385	19'973	18'944	17'503	16'612
5 0	18.738	18.670	18.670	18.670	18.944	20.042	20.316	20.385	19.973	18.738	17.366	16.680
10 0	18.807	18.738	18.670	18.670	19.013	20.110	20.316	20.316	19.904	18.601	17.160	16.612
15 0	18.738	18.670	18.670	18.738	19.150	20.110	20.316	20.316	19.836	18.464	17.023	16.680
20 0	18.738	18.670	18.670	18.738	19.287	20.179	20.316	20.316	19.630	18.464	16.955	16.680
25 0	18.738	18.670	18.670	18.807	19.356	20.179	20.247	20.247	19.493	18.395	16.817	16.680
30 0	18.738	18.670	18.670	18.738	19.493	20.179	20.247	20.179	19.424	18.258	16.749	16.886
35 0	18.738	18.670	18.670	18.738	19.561	20.179	20.247	20.179	19.356	18.258	16.680	17.023
40 0	18.738	18.670	18.738	18.601	19.699	20.247	20.316	20.110	19.287	18.121	16.474	17.023
45 0	18.807	18.670	18.670	18.601	19.699	20.179	20.385	20.042	19.218	17.915	16.474	17.229
50 0	18.807	18.670	18.601	18.738	19.767	20.179	20.316	19.973	19.150	17.846	16.680	17.229
55 0	18.807	18.670	18.601	18.807	19.904	20.110	20.316	19.973	19.081	17.572	16.680	17.366

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.80	18.85	18.95	18.95	18.95	18.82	18.97	19.12	19.20	19.19	19.10	18.81
7 0	18.81	18.89	18.94	18.94	18.94	18.80	18.98	19.13	19.21	19.18	19.07	18.80
12 0	18.78	18.90	18.97	18.94	18.93	18.81	18.99	19.13	19.21	19.18	19.04	18.79
17 0	18.85	18.90	18.99	18.95	18.90	18.84	19.00	19.13	19.22	19.16	19.02	18.75
22 0	18.81	18.96	18.95	18.92	18.85	18.87	19.01	19.13	19.22	19.14	19.00	18.75
27 0	18.80	19.01	18.93	18.94	18.83	18.91	19.02	19.14	19.21	19.13	19.00	18.75
32 0	18.85	19.05	18.95	18.94	18.81	18.93	19.03	19.16	19.23	19.12	18.96	18.71
37 0	18.82	19.05	18.95	18.94	18.81	18.93	19.04	19.17	19.21	19.12	18.91	18.69
42 0	18.85	19.03	18.95	18.94	18.80	18.94	19.03	19.20	19.20	19.11	18.91	18.65
47 0	18.85	19.00	18.95	18.93	18.79	18.94	19.04	19.22	19.20	19.11	18.90	18.62
52 0	18.85	19.00	18.94	18.97	18.80	18.95	19.04	19.22	19.19	19.10	18.90	18.60
57 0	18.85	18.98	18.95	18.97	18.79	18.95	19.07	19.21	19.19	19.10	18.89	18.60
Therm.	80°0	79°8	79°8	80°0	80°0	80°1	80°6	81°5	82°5	83°3	83°7	84°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	32.60	32.62	32.65	32.72	32.78	32.81	32.79	32.74	32.65	32.55	32.50	32.45
8 0	32.60	32.65	32.65	32.72	32.78	32.81	32.79	32.74	32.65	32.55	32.50	32.45
13 0	32.60	32.65	32.65	32.74	32.78	32.81	32.78	32.73	32.64	32.53	32.49	32.45
18 0	32.60	32.65	32.65	32.74	32.79	32.81	32.78	32.73	32.63	32.53	32.48	32.45
23 0	32.60	32.65	32.65	32.75	32.80	32.81	32.78	32.72	32.62	32.53	32.48	32.45
28 0	32.60	32.65	32.69	32.74	32.81	32.81	32.77	32.71	32.60	32.52	32.48	32.45
33 0	32.60	32.65	32.70	32.75	32.81	32.81	32.77	32.70	32.60	32.52	32.47	32.45
38 0	32.60	32.65	32.71	32.76	32.81	32.81	32.76	32.68	32.60	32.52	32.49	32.45
43 0	32.60	32.65	32.73	32.76	32.82	32.80	32.77	32.68	32.59	32.52	32.49	32.45
48 0	32.58	32.65	32.72	32.77	32.82	32.80	32.75	32.67	32.58	32.50	32.45	32.45
53 0	32.60	32.65	32.74	32.77	32.81	32.81	32.75	32.65	32.56	32.50	32.45	32.45
58 0	32.60	32.65	32.73	32.78	32.82	32.80	32.74	32.65	32.56	32.50	32.45	32.45
Therm.	80°7	80°5	80°3	80°5	80°6	80°6	80°8	81°0	82°0	82°7	83°0	84°1

TERM-DAY OBSERVATIONS, ON THE 24TH OF SEPTEMBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	17'366	18'670	19'630	19'218	18'738	18'532	18'532	18'670	18'601	18'875	19'081	19'013
5 0	17.572	18.670	19.630	19.150	18.670	18.601	18.532	18.670	18.670	18.944	19.013	19.013
10 0	17.572	18.738	19.630	19.150	18.738	18.601	18.464	18.670	18.601	19.013	18.944	18.944
15 0	17.709	18.944	19.630	19.150	18.738	18.601	18.464	18.670	18.601	19.081	18.875	18.875
20 0	17.846	19.013	19.630	19.081	18.738	18.532	18.532	18.670	18.601	19.081	18.875	18.807
25 0	17.984	19.013	19.630	19.150	18.601	18.532	18.532	18.670	18.670	19.081	18.807	18.875
30 0	18.052	19.081	19.561	19.013	18.532	18.464	18.464	18.601	18.670	19.081	18.875	18.807
35 0	18.052	19.287	19.561	18.944	18.532	18.464	18.464	18.601	18.670	19.081	18.875	18.807
40 0	18.052	19.356	19.561	18.944	18.532	18.532	18.601	18.601	18.670	19.081	18.944	18.807
45 0	18.258	19.356	19.424	18.944	18.532	18.532	18.601	18.601	18.738	19.150	19.013	18.807
50 0	18.327	19.561	19.287	18.738	18.464	18.532	18.601	19.601	18.807	19.150	19.013	18.807
55 0	18.464	19.561	19.287	18.670	18.464	18.532	18.601	18.601	18.807	19.150	19.013	18.807

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.59	18.41	18.35	18.46	18.51	18.55	18.55	18.59	18.66	18.71	18.71	18.75
7 0	18.51	18.40	18.32	18.45	18.53	18.53	18.55	18.60	18.66	18.74	18.71	18.73
12 0	18.45	18.40	18.31	18.45	18.53	18.52	18.54	18.60	18.64	18.71	18.71	18.74
17 0	18.45	18.40	18.30	18.47	18.52	18.52	18.53	18.61	18.65	18.70	18.72	18.75
22 0	18.43	18.40	18.31	18.48	18.51	18.55	18.54	18.62	18.64	18.67	18.71	18.75
27 0	18.41	18.40	18.31	18.49	18.51	18.54	18.53	18.62	18.64	18.66	18.71	18.75
32 0	18.41	18.40	18.37	18.50	18.52	18.54	18.53	18.61	18.64	18.69	18.71	18.73
37 0	18.41	18.39	18.35	18.51	18.51	18.54	18.52	18.63	18.64	18.69	18.71	18.74
42 0	18.40	18.35	18.32	18.51	18.50	18.53	18.52	18.63	18.65	18.69	18.71	18.75
47 0	18.40	18.32	18.36	18.50	18.51	18.54	18.56	18.66	18.64	18.70	18.71	18.79
52 0	18.40	18.40	18.40	18.49	18.53	18.54	18.58	18.66	18.66	18.71	18.71	18.80
57 0	18.40	18.40	18.42	18.49	18.54	18.54	18.59	18.67	18.69	18.71	18.75	18.80
Therm.	84°7	84°5	84°0	83°3	82°7	82°0	81°8	81°5	81°3	81°0	80°9	80°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	32.45	32.40	32.40	32.37	32.38	32.41	32.43	32.45	32.48	32.51	32.52	32.50
8 0	32.45	32.40	32.40	32.38	32.38	32.41	32.42	32.47	32.49	32.51	32.52	32.50
13 0	32.45	32.40	32.40	32.38	32.38	32.41	32.43	32.47	32.49	32.51	32.52	32.50
18 0	32.45	32.40	32.40	32.38	32.38	32.42	32.43	32.47	32.49	32.52	32.52	32.50
23 0	32.45	32.40	32.40	32.38	32.39	32.43	32.43	32.47	32.49	32.52	32.51	32.50
28 0	32.42	32.40	32.40	32.39	32.39	32.43	32.43	32.47	32.50	32.52	32.51	32.50
33 0	32.42	32.40	32.40	32.39	32.39	32.43	32.43	32.47	32.50	32.50	32.52	32.50
38 0	32.40	32.40	32.40	32.38	32.39	32.43	32.44	32.47	32.50	32.51	32.52	32.50
43 0	32.40	32.40	32.39	32.38	32.40	32.43	32.45	32.48	32.50	32.51	32.52	32.50
48 0	32.40	32.40	32.38	32.38	32.40	32.43	32.44	32.48	32.50	32.51	32.50	32.50
53 0	32.40	32.40	32.37	32.38	32.40	32.43	32.45	32.48	32.50	32.50	32.50	32.48
58 0	32.40	32.40	32.37	32.38	32.41	32.43	32.45	32.48	32.50	32.51	32.50	32.48
Therm.	84°9	85°3	85°6	84°8	84°4	83°8	83°3	82°7	82°4	82°1	82°0	82°1

TERM-DAY OBSERVATIONS, ON THE 22ND OF OCTOBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'287	19'904	18'258	19'356	19'630	19'424	19'424	19'424	19'493	19'013	19'356	19'356
5 0	19.287	19.699	18.395	19.630	19.424	19.424	19.356	19.356	19.561	19.013	19.287	19.493
10 0	19.807	19.493	18.601	19.699	19.493	19.424	19.356	19.287	19.424	19.013	19.356	19.767
15 0	19.218	18.807	18.395	19.904	19.561	19.424	19.424	19.218	19.356	18.944	19.424	19.836
20 0	19.356	18.327	18.532	19.973	19.424	19.424	19.630	19.150	19.356	18.944	19.424	19.973
25 0	19.424	18.532	18.807	19.973	19.424	19.493	19.836	19.218	19.356	18.944	19.424	20.110
30 0	19.493	19.013	19.081	19.699	19.561	19.493	19.630	19.356	19.287	18.944	19.356	20.179
35 0	19.767	19.081	19.218	19.630	19.630	19.424	19.356	19.424	19.218	19.013	19.424	20.110
40 0	19.904	18.670	19.218	19.630	19.493	19.356	19.356	19.424	19.150	19.150	19.356	19.973
45 0	20.042	18.121	19.287	19.493	19.493	19.356	19.493	19.493	18.875	19.218	19.287	19.767
50 0	20.110	17.778	19.356	19.493	19.424	19.493	19.493	19.424	19.013	19.356	19.218	19.836
55 0	20.110	17.984	19.356	19.630	19.424	19.493	19.424	19.493	19.013	19.356	19.218	19.767

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.84	18.50	19.48	18.90	18.85	18.95	19.15	19.15	18.89	18.70	18.51	18.20
7 0	18.86	18.54	19.42	18.90	18.82	18.95	19.17	19.13	18.84	18.70	18.49	18.15
12 0	18.91	18.59	19.32	18.82	18.83	18.97	19.15	19.12	18.78	18.70	18.48	18.15
17 0	18.90	18.77	19.30	18.70	18.85	19.01	19.18	19.08	18.77	18.70	18.48	18.12
22 0	18.90	18.94	19.30	18.79	18.85	19.04	19.12	19.17	18.74	18.70	18.45	18.14
27 0	18.75	18.99	19.22	18.75	18.85	19.05	19.10	19.02	18.73	18.70	18.43	18.12
32 0	18.67	18.91	19.20	18.72	18.89	19.05	19.11	18.87	18.72	18.66	18.41	18.11
37 0	18.60	18.95	19.10	18.79	18.90	19.04	19.20	18.85	18.68	18.64	18.39	18.05
42 0	18.52	19.08	19.10	18.71	18.90	19.09	19.16	18.85	18.69	18.61	18.35	18.02
47 0	18.50	19.29	19.02	18.70	18.92	19.07	19.09	18.87	18.70	18.59	18.30	18.01
52 0	18.48	19.48	18.95	18.79	18.95	19.09	19.11	18.92	18.71	18.60	18.26	17.95
57 0	18.44	19.50	18.93	18.83	18.95	19.12	19.12	18.92	18.71	18.59	18.22	17.97
Therm.	79°7	79°5	79°5	79°7	79°7	79°9	80°7	82°0	83°1	83°5	83°7	84°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	24.17	24.30	24.35	24.50	24.50	24.50	24.32	24.31	24.30	24.34	24.41	24.43
8 0	24.15	24.30	24.40	24.50	24.50	24.50	24.30	24.32	24.34	24.33	24.44	24.50
13 0	24.20	24.26	24.43	24.50	24.50	24.50	24.28	24.32	24.35	24.34	24.45	24.48
18 0	24.25	24.10	24.40	24.50	24.50	24.50	24.25	24.32	24.36	24.35	24.46	24.47
23 0	24.28	24.18	24.44	24.50	24.50	24.48	24.25	24.28	24.36	24.35	24.44	24.44
28 0	24.28	24.32	24.50	24.50	24.50	24.45	24.22	24.35	24.34	24.32	24.44	24.42
33 0	24.30	24.38	24.50	24.50	24.50	24.46	24.20	24.38	24.32	24.35	24.41	24.40
38 0	24.32	24.36	24.50	24.50	24.50	24.43	24.32	24.42	24.32	24.38	24.43	24.38
43 0	24.34	24.22	24.50	24.45	24.50	24.40	24.35	24.40	24.30	24.40	24.40	24.34
48 0	24.32	24.18	24.50	24.49	24.50	24.40	24.38	24.36	24.29	24.42	24.40	24.30
53 0	24.32	24.20	24.50	24.50	24.50	24.38	24.36	24.32	24.31	24.40	24.40	24.30
58 0	24.32	24.32	24.50	24.50	24.50	24.35	24.35	24.32	24.34	24.41	24.40	24.29
Therm.	80°8	80°6	80°5	80°3	80°2	80°9	81°2	81°1	82°0	82°5	83°0	83°4

TERM-DAY OBSERVATIONS, ON THE 22ND OF OCTOBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19'836	21'415	20'659	20'179	20'042	20'796	21'071	20'042	19'561	19'630	19'630	18'670
5 0	20.179	21.482	20.659	20.179	19.973	20.728	21.071	19.904	19.836	19.630	19.424	18.875
10 0	20.316	21.276	20.316	20.042	19.904	20.728	21.002	19.904	19.767	19.561	19.699	19.013
15 0	20.385	21.139	20.385	20.042	19.904	20.728	20.453	19.836	19.767	19.424	19.561	19.013
20 0	20.453	21.276	20.385	20.316	19.904	21.139	20.247	19.836	19.699	19.356	19.150	19.081
25 0	20.453	21.551	20.042	20.316	19.904	21.071	20.316	19.767	19.630	19.356	19.013	19.150
30 0	20.522	21.619	19.904	20.385	19.973	21.345	20.179	19.699	19.561	19.424	18.807	19.081
35 0	20.590	21.688	19.836	20.179	19.904	21.071	20.316	19.699	19.424	19.630	18.601	19.150
40 0	20.796	21.345	19.767	20.179	20.179	21.345	20.316	19.561	19.424	19.630	18.464	19.150
45 0	21.002	21.071	20.042	20.042	20.385	21.345	20.316	19.561	19.493	19.561	18.395	18.807
50 0	21.002	20.865	19.904	20.316	20.590	21.345	20.247	19.493	19.424	19.630	18.738	18.878
55 0	21.139	20.659	20.042	20.110	20.659	21.071	20.110	19.493	19.493	19.699	19.013	18.807

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	17.92	17.53	17.63	17.65	17.60	18.40	17.95	18.01	18.48	18.59	18.57	19.01
7 0	17.86	17.54	17.65	17.62	17.80	18.42	17.87	18.05	18.41	18.58	18.62	19.06
12 0	17.83	17.59	17.70	17.60	17.80	18.45	17.81	18.15	18.39	18.65	18.68	19.08
17 0	17.80	17.56	17.73	17.60	17.85	18.45	17.85	18.20	18.46	18.67	18.81	19.07
22 0	17.74	17.54	17.73	17.60	17.85	18.45	17.80	18.22	18.60	18.66	18.90	19.03
27 0	17.67	17.52	17.78	17.61	17.89	18.49	17.80	18.20	18.61	18.67	19.07	19.04
32 0	17.61	17.46	17.71	17.63	17.87	18.40	17.73	18.27	18.64	18.62	19.03	19.00
37 0	17.56	17.42	17.71	17.59	17.80	18.33	17.85	18.33	18.63	18.66	19.06	19.00
42 0	17.56	17.45	17.70	17.57	17.98	18.25	17.85	18.32	18.60	18.65	18.98	19.00
47 0	17.55	17.49	17.67	17.55	18.15	18.19	17.85	18.39	18.60	18.65	19.02	18.98
52 0	17.55	17.55	17.65	17.56	18.19	18.05	17.88	18.41	18.55	18.60	19.00	18.94
57 0	17.53	17.61	17.65	17.65	18.20	17.92	17.98	18.41	18.52	18.59	19.02	18.90
Therm.	84°2	84°2	83°5	82°8	81°8	81°1	81°0	80°7	80°5	80°2	80°0	79°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	24.30	24.36	24.14	24.00	24.04	24.20	24.20	24.22	24.47	24.45	24.53	24.56
8 0	24.30	24.32	24.10	23.98	24.05	24.20	24.20	24.32	24.48	24.45	24.55	24.56
13 0	24.33	24.25	24.08	23.98	24.05	24.23	24.20	24.31	24.48	24.45	24.54	24.60
18 0	24.33	24.26	24.06	24.00	24.04	24.25	24.20	24.35	24.48	24.47	24.50	24.62
23 0	24.33	24.28	24.05	24.00	24.05	24.25	24.20	24.41	24.45	24.50	24.46	24.66
28 0	24.32	24.30	24.01	24.00	24.09	24.25	24.20	24.45	24.45	24.52	24.45	24.66
33 0	24.32	24.31	24.00	24.00	24.10	24.25	24.20	24.42	24.48	24.54	24.46	24.64
38 0	24.32	24.33	24.00	24.00	24.13	24.29	24.20	24.41	24.48	24.55	24.48	24.62
43 0	24.32	24.28	24.00	24.01	24.15	24.25	24.28	24.44	24.50	24.55	24.52	24.65
48 0	24.32	24.16	24.00	24.00	24.15	24.21	24.26	24.42	24.52	24.58	24.58	24.60
53 0	24.32	24.15	24.00	24.03	24.19	24.20	24.25	24.45	24.52	24.60	24.60	24.62
58 0	24.35	24.15	24.00	24.05	24.20	24.20	24.26	24.48	24.53	24.60	24.56	24.64
Therm.	84°0	84°5	84°4	83°9	83°3	82°7	82°4	81°9	81°8	81°4	81°2	81°0

TERM-DAY OBSERVATIONS, ON THE 28TH OF NOVEMEER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'527	19'156	19'356	19'115	19'184	18'670	19'218	18'875	18'601	19'150	19'904	20'316
5 0	19.493	19.218	19.356	18.807	18.944	18.258	18.807	18.875	18.532	19.218	19.973	20.385
10 0	19.424	19.156	19.287	18.875	18.875	18.464	18.807	18.738	18.670	19.287	19.973	20.453
15 0	19.356	18.944	19.287	18.909	18.944	18.807	19.081	18.875	18.601	19.424	20.042	20.385
20 0	19.321	19.156	19.013	18.738	18.738	18.464	19.150	18.807	18.670	19.493	20.042	20.453
25 0	19.356	19.424	18.944	18.670	18.601	18.601	18.944	18.807	18.670	19.493	20.110	20.385
30 0	19.252	19.493	19.156	18.670	18.601	18.875	18.738	18.807	18.670	19.561	20.247	20.419
35 0	19.356	19.424	19.081	18.875	18.464	18.013	19.013	18.738	18.670	19.561	20.179	20.453
40 0	19.150	19.356	18.944	19.218	18.425	18.978	19.150	18.670	18.670	19.630	20.247	20.522
45 0	19.013	19.218	19.013	19.150	18.670	18.807	19.150	18.670	18.807	19.767	20.247	20.385
50 0	19.493	19.115	18.807	18.807	18.464	18.807	19.013	18.670	18.875	19.767	20.316	20.316
55 0	19.287	19.287	19.013	18.807	18.395	18.670	18.944	18.601	19.013	19.904	20.316	20.247

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.51	19.49	19.64	19.72	19.95	20.04	20.15	20.20	20.07	19.84	19.56	19.30
7 0	19.54	19.50	19.64	19.80	19.91	20.11	20.15	20.21	20.03	19.80	19.54	19.29
12 0	19.52	19.51	19.65	19.78	19.94	20.10	20.15	20.21	20.01	19.77	19.52	19.28
17 0	19.53	19.48	19.65	19.80	19.92	20.12	20.15	20.19	20.00	19.73	19.49	19.27
22 0	19.57	19.50	19.70	19.75	19.96	20.13	20.20	20.18	19.99	19.70	19.49	19.26
27 0	19.57	19.47	19.69	19.72	20.03	20.10	20.19	20.17	19.97	19.70	19.47	19.24
32 0	19.55	19.52	19.73	19.78	20.03	20.15	20.18	20.15	19.95	19.67	19.44	19.21
37 0	19.55	13.56	19.73	19.81	20.05	20.18	20.19	20.13	19.94	19.66	19.40	19.18
42 0	19.62	19.56	19.80	19.78	20.04	20.12	20.19	20.13	19.94	19.65	19.37	19.15
47 0	19.60	19.53	19.77	19.89	20.05	20.21	20.17	20.12	19.90	19.63	19.36	19.13
52 0	19.61	19.60	19.73	19.78	19.96	20.20	20.19	20.10	19.87	19.61	19.35	19.10
57 0	19.63	19.62	19.78	19.93	19.99	20.18	20.19	20.08	19.85	19.58	19.34	19.08
Therm.	77°7	77°9	77°7	77°3	76°4	76°8	77°5	78°7	80°5	81°7	82°3	82°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	28.80	28.90	28.93	28.87	28.84	29.00	29.04	29.02	28.90	28.85	28.82	28.75
8 0	28.90	28.93	28.90	28.85	28.85	29.02	29.04	29.02	28.90	28.85	28.82	28.74
13 0	28.86	28.94	28.88	28.84	28.85	29.04	29.04	29.00	28.90	28.86	28.81	28.74
18 0	28.86	28.96	28.87	28.80	28.86	29.06	29.04	28.98	28.90	28.86	28.82	28.75
23 0	28.86	28.86	28.89	28.87	28.86	29.04	29.04	28.96	28.88	28.86	28.82	28.74
28 0	28.86	28.88	28.89	28.87	28.86	29.02	29.06	28.95	28.87	28.85	28.82	28.75
33 0	28.90	28.91	28.87	28.87	28.89	29.08	29.08	28.95	28.86	28.84	28.80	28.75
38 0	28.91	28.92	28.80	28.86	28.96	29.09	29.06	28.92	28.86	28.85	28.78	28.75
43 0	28.89	28.92	28.80	28.87	28.96	29.07	29.06	28.92	28.85	28.84	28.77	28.74
48 0	28.91	28.91	28.83	28.85	28.99	29.05	29.07	28.92	28.85	28.84	28.76	28.72
53 0	28.86	28.90	28.84	28.81	28.99	29.05	29.05	28.91	28.86	28.82	28.75	28.70
58 0	28.85	28.90	28.84	28.85	29.05	29.05	29.05	28.91	28.86	28.83	28.75	28.68
Therm.	78°5	78°5	78°3	78°0	77°6	77°4	77°8	78°0	78°9	79°9	80°3	81°0

TERM-DAY OBSERVATIONS, ON THE 28TH OF NOVEMBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	20'042	19'904	19'904	19'836	20'110	19'630	19'699	19'904	20'042	19'973	20'247	20'247
5 0	20.179	19.836	19.836	19.904	20.110	19.493	19.767	19.973	19.973	19.699	20.110	20.110
10 0	20.179	19.836	19.973	19.767	20.042	19.424	19.767	19.973	19.836	19.767	20.316	20.042
15 0	20.179	19.904	19.973	19.904	19.973	19.493	19.767	19.973	19.973	19.767	20.179	19.973
20 0	20.110	19.836	19.973	19.904	19.904	19.493	19.767	19.904	20.110	19.904	20.110	20.177
25 0	20.179	19.767	19.904	19.836	19.836	19.561	19.767	19.904	19.904	19.767	20.247	20.110
30 0	20.110	19.767	19.904	19.836	19.699	19.630	19.699	19.904	19.904	20.179	19.973	20.110
35 0	20.110	19.733	19.904	19.767	19.699	19.699	19.836	19.973	19.836	20.042	19.973	20.179
40 0	20.042	19.767	19.836	19.904	19.699	19.699	19.836	19.973	19.904	20.179	20.247	20.042
45 0	19.973	19.733	19.836	19.973	19.699	19.699	19.836	19.973	19.767	20.110	20.110	20.042
50 0	19.904	19.836	19.836	20.042	19.699	19.630	19.836	19.836	19.767	20.316	20.247	20.179
55 0	19.904	19.836	19.836	20.179	19.699	19.561	19.836	19.903	19.699	20.385	19.973	20.179

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.04	18.92	18.92	19.02	19.08	19.00	18.88	18.78	18.80	18.92	18.90	19.14
7 0	19.01	18.90	18.93	19.03	19.05	18.99	18.89	18.75	18.80	18.95	18.90	19.11
12 0	18.97	18.90	18.94	19.07	19.03	18.96	18.92	18.74	18.84	18.97	18.92	19.10
17 0	18.95	18.89	18.96	19.09	19.05	18.97	18.94	18.73	18.87	19.05	18.99	19.16
22 0	18.93	18.89	18.97	19.13	19.00	18.97	18.94	18.71	18.92	19.00	18.99	19.25
27 0	18.93	18.91	18.97	19.14	18.97	18.97	18.91	18.68	18.96	18.96	19.03	19.18
32 0	18.92	18.91	18.98	19.18	18.97	18.97	18.89	18.72	18.92	18.99	19.05	19.25
37 0	18.92	18.91	19.00	19.20	18.97	18.96	18.85	18.75	18.95	18.98	19.05	19.31
42 0	18.92	18.90	19.01	19.16	18.98	18.94	18.85	18.75	18.96	18.96	19.12	19.22
47 0	18.91	18.92	19.03	19.10	18.99	18.92	18.83	18.74	18.95	18.96	19.10	19.24
52 0	18.91	18.92	19.04	19.09	18.99	18.89	18.79	18.79	18.88	18.92	19.14	19.25
57 0	18.91	18.92	19.02	19.10	18.99	18.89	18.79	18.75	18.89	18.90	19.17	19.23
Therm.	83°0	83°0	82°3	81°1	80°8	80°5	80°4	80°0	79°0	78°6	78°4	78°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	28.64	28.59	28.58	28.68	28.73	28.72	28.76	28.84	28.87	28.91	28.95	28.94
8 0	28.65	28.58	28.59	28.68	28.72	28.73	28.76	28.82	28.93	28.88	28.93	28.89
13 0	28.66	28.59	28.58	28.67	28.72	28.74	28.77	28.82	28.86	28.87	28.94	28.90
18 0	28.66	28.59	28.58	28.68	28.72	28.74	28.77	28.88	28.82	28.85	28.93	28.89
23 0	28.65	28.57	28.58	28.70	28.70	28.75	28.76	28.91	28.82	28.88	28.98	28.90
28 0	28.64	28.57	28.57	28.70	28.72	28.75	28.75	28.90	28.85	28.89	28.96	28.94
33 0	28.65	28.57	28.60	28.70	28.70	28.77	28.75	28.88	28.86	28.89	28.98	28.93
38 0	28.64	28.57	28.60	28.70	28.70	28.78	28.75	28.87	28.84	28.91	28.94	28.94
43 0	28.61	28.58	28.60	28.70	28.70	28.78	28.77	28.88	28.83	28.93	28.95	28.94
48 0	28.60	28.58	28.64	28.72	28.70	28.78	28.82	28.82	28.83	28.92	28.95	28.97
53 0	28.59	28.58	28.65	28.72	28.70	28.77	28.84	28.82	28.83	28.95	28.97	28.97
58 0	28.59	28.59	28.68	28.72	28.72	28.76	28.80	28.84	28.83	28.95	28.96	28.97
Therm.	81°6	81°9	81°7	81°0	80°6	80°5	80°4	80°1	79°5	79°1	79°0	79°0

TERM-DAY OBSERVATIONS, ON THE 24TH OF DECEMBER 1856.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'561	19'699	19'767	19'493	19'424	19'390	20'179	20'385	19'561	19'150	19'836	20'316
5 0	19.630	19.836	19.493	19.630	19.561	19.630	20.590	20.385	19.493	19.150	19.904	20.179
10 0	19.150	19.287	19.424	19.630	19.699	19.836	20.522	20.316	19.424	19.218	20.042	20.110
15 0	19.287	19.767	19.424	19.767	19.630	19.767	20.522	20.247	19.356	19.287	20.042	20.179
20 0	19.493	19.356	19.356	19.836	19.423	19.904	20.453	20.247	19.356	19.356	20.042	20.179
25 0	19.081	19.150	19.699	19.630	19.767	19.904	20.385	20.110	19.424	19.493	20.110	20.179
30 0	19.424	19.561	19.356	19.561	19.630	20.042	20.385	20.042	19.424	19.630	20.179	20.110
35 0	19.218	19.287	19.493	19.356	19.424	19.973	20.385	19.973	19.356	19.630	20.179	20.042
40 0	19.424	19.150	19.493	19.493	19.493	20.247	20.385	19.836	19.356	19.561	20.385	20.042
45 0	19.287	19.218	19.424	19.561	19.699	20.179	20.453	19.699	19.356	19.630	20.385	19.973
50 0	19.561	18.807	19.424	19.699	19.767	20.179	20.453	19.767	19.356	19.699	20.385	19.973
55 0	19.561	19.150	19.699	19.630	19.630	20.453	20.522	19.699	19.218	19.699	20.316	19.904

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.05	20.00	20.05	20.09	20.32	20.19	20.06	19.97	19.96	19.73	19.70	19.39
7 0	20.08	19.95	20.08	20.10	20.32	20.25	20.12	19.97	19.94	19.73	19.71	19.36
12 0	20.07	20.04	20.09	20.12	20.35	20.30	20.12	19.92	19.93	19.72	19.69	19.34
17 0	20.07	19.99	20.13	20.17	20.33	20.26	20.09	19.92	19.93	19.76	19.62	19.31
22 0	20.05	20.00	20.10	20.22	20.36	20.25	20.10	19.94	19.92	19.78	19.60	19.30
27 0	20.00	20.01	20.08	20.21	20.42	20.21	20.09	19.96	19.87	19.80	19.58	19.30
32 0	20.03	20.01	20.11	20.20	20.43	20.19	20.08	19.93	19.82	19.80	19.54	19.29
37 0	20.00	20.03	20.14	20.21	20.41	20.24	20.10	19.92	19.77	19.80	19.52	19.28
42 0	19.94	20.06	20.18	20.24	20.39	20.20	20.10	19.93	19.75	19.80	19.51	19.29
47 0	19.92	20.05	20.16	20.26	20.40	20.15	20.10	19.94	19.76	19.79	19.48	19.30
52 0	19.95	20.06	20.15	20.30	20.36	20.12	20.05	19.92	19.74	19.77	19.45	19.30
57 0	19.93	20.07	20.14	20.28	20.37	20.10	19.97	19.96	19.72	19.74	19.41	19.29
Therm.	76°0	76°2	76°0	75°3	74°7	74°8	76°1	77°4	79°0	80°4	80°9	82°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	29.18	29.22	29.38	29.30	29.33	29.54	29.52	29.30	28.98	28.87	29.00	28.94
8 0	29.20	29.24	29.32	29.31	29.37	29.58	29.59	29.28	28.98	28.88	29.00	28.94
13 0	29.27	29.33	29.34	29.32	29.35	29.61	29.54	29.26	28.98	28.90	29.00	28.93
18 0	29.24	29.33	29.38	29.35	29.34	29.63	29.52	29.24	28.92	28.91	29.00	28.92
23 0	29.26	29.33	29.40	29.37	29.36	29.62	29.47	29.21	28.92	28.92	29.00	28.92
28 0	29.30	29.34	29.41	29.33	29.39	29.62	29.43	29.14	28.89	28.92	29.00	28.92
33 0	29.19	29.34	29.42	29.31	29.41	29.60	29.40	29.15	28.90	28.95	29.00	28.91
38 0	29.25	29.34	29.38	29.37	29.42	29.60	29.39	29.12	28.90	28.94	29.00	28.90
43 0	29.23	29.35	29.35	29.35	29.42	29.61	29.38	29.09	28.90	28.95	28.98	28.90
48 0	29.23	29.35	29.36	29.38	29.45	29.61	29.38	29.06	28.89	28.97	28.96	28.90
53 0	29.23	29.36	29.34	29.37	29.47	29.60	29.34	29.04	28.89	28.99	28.95	28.89
58 0	29.23	29.38	29.32	29.40	29.49	29.63	29.32	29.00	28.87	29.00	28.95	28.89
Therm.	77°1	77°0	76°8	76°4	75°8	75°3	75°9	76°5	77°6	78°6	79°2	80°0

TERM-DAY OBSERVATIONS, ON THE 24TH OF DECEMBER 1856.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19'836	19'493	19'973	20'179	20'385	20'247	20'179	20'042	20'110	19'561	19'493	19'493
5 0	19.767	19.493	19.973	20.247	20.316	20.247	20.247	20.247	19.836	19.561	19.424	19.218
10 0	19.767	19.493	19.836	20.247	20.385	20.316	20.110	20.179	19.904	19.561	19.493	19.561
15 0	19.699	19.561	19.836	20.179	20.316	20.453	20.110	20.179	20.110	19.493	19.218	19.287
20 0	19.561	19.561	19.836	20.247	20.316	20.522	20.110	20.179	19.973	19.561	19.081	19.356
25 0	19.493	19.630	19.904	20.316	20.316	20.453	20.042	20.110	19.904	19.424	18.944	19.356
30 0	19.424	19.767	19.904	20.316	20.316	20.487	19.904	20.179	19.973	19.561	19.013	19.424
35 0	19.493	19.767	19.904	20.385	20.316	20.453	20.042	20.247	20.042	19.493	18.875	19.493
40 0	19.424	19.767	20.042	20.385	20.247	20.453	19.973	19.973	20.316	19.561	19.081	19.356
45 0	19.424	19.767	20.042	20.385	20.247	20.453	19.904	20.179	19.767	19.493	19.013	19.493
50 0	19.356	19.767	20.110	20.453	20.247	20.316	20.110	20.110	19.630	19.424	19.150	19.356
55 0	19.424	19.904	20.179	20.385	20.316	20.179	20.316	20.247	19.699	19.493	19.287	19.424

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.27	19.20	19.19	19.25	19.00	19.10	19.20	19.27	19.55	19.69	19.69	19.96
7 0	19.25	19.21	19.19	19.24	19.02	19.08	19.20	19.34	19.56	19.67	19.75	19.96
12 0	19.25	19.20	19.20	19.20	19.03	19.08	19.24	19.39	19.56	19.65	19.79	20.00
17 0	19.24	19.20	19.20	19.15	19.06	19.05	19.22	19.38	19.53	19.66	19.82	19.96
22 0	19.23	19.20	19.21	19.16	19.04	19.02	19.25	19.39	19.57	19.72	19.91	20.02
27 0	19.24	19.20	19.22	19.12	19.06	19.02	19.27	19.38	19.59	19.72	19.96	19.96
32 0	19.23	19.20	19.23	19.04	19.06	19.09	19.26	19.39	19.59	19.76	20.03	19.97
37 0	19.22	19.19	19.25	18.95	19.05	19.13	19.25	19.46	19.63	19.73	19.98	19.99
42 0	19.20	19.19	19.28	18.91	19.05	19.14	19.25	19.45	19.64	19.72	19.99	19.98
47 0	19.19	19.19	19.30	18.93	19.07	19.15	19.24	19.36	19.63	19.70	19.98	20.00
52 0	19.20	19.20	19.29	18.95	19.09	19.15	19.27	19.39	19.68	19.73	19.99	19.95
57 0	19.20	19.20	19.28	18.99	19.07	19.21	19.27	19.45	19.68	19.76	19.98	19.97
Therm.	82°1	82°3	81°4	80°3	79°8	79°3	78°7	78°0	77°0	76°8	76°9	76°7

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	28.88	28.90	28.89	28.89	29.01	29.07	29.11	29.15	28.90	28.95	29.06	29.14
8 0	28.88	28.90	28.88	28.91	29.05	29.06	29.09	29.17	28.88	28.99	29.06	29.14
13 0	28.88	28.90	28.84	28.92	29.06	29.07	29.09	29.05	28.85	28.99	29.08	29.15
18 0	28.87	28.91	28.84	28.94	29.07	29.12	29.08	29.10	28.88	29.00	29.05	29.15
23 0	28.87	28.91	28.83	28.93	29.05	29.12	29.05	29.05	28.88	29.00	29.05	29.14
28 0	28.86	28.92	28.84	28.93	29.06	29.15	29.07	29.11	28.90	29.00	29.05	29.13
33 0	28.86	28.94	28.83	28.96	29.05	29.17	29.07	29.07	28.90	29.00	29.04	29.13
38 0	28.88	28.92	28.89	28.94	29.08	29.18	29.09	29.06	28.93	29.00	29.10	29.14
43 0	28.88	28.90	28.86	28.95	29.05	29.16	29.10	29.07	28.95	29.04	29.04	29.15
48 0	28.89	28.90	28.86	28 97	29.07	29.15	29.13	29.05	28.98	29.10	29.12	29.15
53 0	28.89	28.90	28.87	28.99	29.07	29.14	29.04	29.09	28.99	29.10	29.15	29.15
58 0	28.90	28.90	28.88	28.99	29.07	29.12	29.02	29.11	28.95	29.10	29.20	29.18
Therm.	80°4	80°9	80°8	80°0	79°8	79°5	79°1	78°4	77°9	77°4	77°3	77°0

BOMBAY MAGNETICAL OBSERVATORY.

ABSTRACTS OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1856.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

Under this head are comprised the five Magnetic Elements :—

1st.—Declination.
2nd.—Horizontal Force.
3rd.—Vertical Force.
4th.—Total Force.
5th.—Dip or Inclination.

From the mean absolute values of these five elements the Summary of the Results and the necessary data for the Disturbance Calculations have been principally extracted.

Observations of Inclinations were made twice a week, and Observations of the Absolute Horizontal Force, as deduced from Deflection Observations, were made generally once a week, during this year.

From the peculiar position of the Large Declination Magnetometer, with reference to the Transit Instrument, each observation becomes an absolute determination of the Declination.

By means of the absolute determinations of the Dip and Horizontal Force, the mean values obtained from the Scale Readings of the Vertical Force Magnetometer, and Horizontal Force Magnetometer, were duly corrected and registered in the Results: from the values thus corrected were calculated the Dip (deduced) and Total Intensity.

Disturbance, or Abnormal Days were scrupulously thrown out in finding the hourly and monthly mean values of each element.

It is necessary to remark, that no disturbance of large magnitude occurred during the year 1856.

DECLINATION.

In this Observatory there are two Magnetic Declinometers in use, one a large and the other a small instrument, as described in the Introduction. The observations of the latter are only differential, being taken as a check on the projected curves of the former; consequently no results have been printed therefrom.

TABLE I.—*Mean Daily Values of Absolute Easterly Declination (in arc) for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	18·323	19·144		18·435	18·678		18·907	18·516	18·755	19·021		19·677
2	17·725		18·715	18·641	18·637	18·770	18·907		18·438	18·849	19·004	19·556
3	17·184	18·964	18·742	18·635		18·592	18·093	19·014	18·916	18·533	19·487	19·870
4	16·621	18·713	18·641	18·684	18·707	18·652	18·622	19·144	18·690		19·147	19·894
5		18·927	18·438		18·401	18·604		19·144	18·607	19·330	19·144	19·857
6	17·729	18·689	18·823	18·735	18·635	18·821	18·037	18·911		19·024	19·440	
7	17·499	18·823	18·873	18·148	18·732		18·549	19·101	18·821	19·098	19·537	19·801
8	18·199	18·752		18·306	18·798	18·951	18·707	19·090	18·795	18·761		19·714
9	18·547		18·794	18·272	18·455	18·364	18·870		19·133	18·984	19·481	19·989
10	18·895	18·690	18·493	18·196		18·362	18·591	18·669	19·147	18·903	19·512	19·596
11	18·887	19·126	18·607	18·061	18·698	18·775	18·541	19·061	19·096		19·867	19·821
12		19·007	18·209		18·859	18·811		18·787	18·694	*19·338	19·641	19·678
13	19·374	18·909	18·527	18·475	18·324	18·730	18·535	18·867		19·216	19·644	
14	19·005	18·911	18·548	18·358	19·038		18·461		18·817	19·241	19·669	19·597
15	19·374	18·918		18·495	19·018	18·501	18·664	18·918	18·867	19·267		19·869
16	19·222		18·519	18·728	18·921	18·735	18·425		19·106	19·181	19·794	19·650
17	19·314	19·127	18·864	18·724		18·844	18·346	18·793	19·330	19·118	19·703	19·690
18	19·145	19·456	18.568	19·064	18·770	18·621	18·052	18·944	19·011		19·696	19·937
19		18·763	18·941		19·061	18·738		18·984	18·807	18·767	19·623	19·723
20	18·650	19·142		19·007	18·984	18·758	17·750	18·956		19·333	19·916	
21	19·099	19·213		18·624	18·921		17·612	18·641	18·687	19·064	19·835	19·896
22	18·652	19·061		18·675	18·775	18·670	17·783	18·821	18·895	19·627		19·860
23	18·963	19·030	18·861	18·529		18·937	18·136		18·810	19·376	19·444	19·534
24	18·543		18·953	18·650		19·177	17·852	*18·987	18·853	19·449	19·567	19·872
25	19·065	18·744	18·672	18·404	19·032	19·241	18·049	19·161	18·672		19·370	19·747
26		18·856	18·550		19·141	18·700		19·147	18·913		19·370	
27	19·123	19·014	18·926	18·818	19·027	18·984	18·684	19·076		19·316	19·813	
28	18·694	19·084	18·624	18·590	18·621		18·784	18·818	18·718	19·121	19·566	20·029
29	19·356	18·903		18·488	19·001	18·786	18·643	18·967	18·684	19·427	19·919	*19·984
30	18·833		18·740	18·615	18·941	18·555	18·575	19·138	18·790	19·280		19·707
31	19·144		18·623		18·996		18·853			19·328		19·649

* This denotes abnormal days, or days of disturbance.

TABLE II.—*Showing the number of instances in which the Difference between the Mean Daily Values of Declination was within certain Limits.*

Difference between the Mean Daily Values of Declination on two consecutive Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
Greater than 6′ and less than 12′	2	7	4	9	5	5	7	9	5	5	3	4	65
„ 12 „ 18	1	5	4	4	4	8	6	3	7	4	4	9	59
„ 18 „ 24	6	2	8	2	2	1	3	3	5	5	5	4	46
„ 24 „ 30	6	1	1	2	1	1		2	1	1	1		17
„ 30 „ 36	5			1	2	2	3			2			15
„ 36 „ 42	1	1					1						3
„ 42 „ 48	1				1					1			3
„ 48 „ 54							1						1
„ 54 „ 60													
„ 60	1												1

It appears from this table that there was only one instance in which the difference of the mean daily value of two consecutive days was greater than one minute of arc; there were 23 instances in which the difference was greater than half a minute and less than one minute.

TABLE III.—*Showing the Greatest and Least Difference between the Mean Daily Values of Declinometer on two Consecutive Days.*

Months, 1856.	Difference between the Daily Means of Consecutive Days.		Excess of Least above the Greatest Difference.	The day on which the Difference was	
	Greatest.	Least.		Greatest between	Least between
				D D	D D
January	1′108	0′000	1′108	4 & 6	31 & 1
February	0·693	·002	·691	13– 19	13– 14
March	·402	·021	·381	11– 12	13– 14
April	·587	·004	·583	6– 7	16– 17
May	·714	·041	·673	13– 14	1– 2
June	·587	·002	·585	8– 9	9– 10
July	·809	·000	·809	2– 3	1– 2
August	.421	·000	·421	8– 10	4– 5
September	.402	·014	·388	11– 12	9– 10
October	.797	·025	·772	3– 5	13– 14
November	·443	·000	·443	26– 27	25– 26
December	·393	·024	·369	9– 10	3– 4

It appears from this table that in this year the mean difference of the values of two consecutive days did not exceed 1·12 minute of arc. The greatest mean differences occurred on the 5th of January, and the least occurred about the beginning of January, July, August, and November.

TABLE IV.—*Showing the Greatest and Least Mean Daily Values of Declination in each Month of the Year* 1856.

Months, 1856.	Mean Daily Value of Declination.		Difference.	The Day on which the mean Daily Declination was	
	Greatest.	Least.		Greatest.	Least.
				D.	D.
January	19·374	16·621	2·753	13 & 15	4
February	19·456	18·689	0·767	18	6
March	18·953	18·209	0·744	24	12
April	19·064	18·061	1·003	18	11
May	19·141	18·324	0·817	26	13
June	19·241	18·362	0·879	25	10
July	18·907	17·612	1·295	1 & 2	21
August	19·147	18·516	0·631	26	1
September	19·330	18·438	0·892	17	2
October	19·627	18·533	1·094	22	3
November	19·919	19·004	0·915	29	2
December	20·029	19·534	0·495	18	23

It appears from this table that the daily positions of the Declination Magnet were subject to less variations in the month of December than in any other month. It was subject to the greatest variations in the month of January; next in order were April, July, and October. The extreme range between the mean positions of the Declination Magnet was 3·408, being about 0·54 higher than the mean of the last three years. The mean monthly range during this year was 1·028, which was about 0·13 lower than the mean of the preceding three years.

TABLE V.—*Showing the Absolute Values of Easterly Declinations, as obtained from Extreme Scale Readings in each month, in Simple Hourly Observations and Term Day Observations.*

Months, 1856.	Absolute Declination from Simple Hourly Observations.		Term Day Observations.		Extreme Diurnal Range.	Time when the Easterly Declination was,			
						In Simple Hourly Observations,		In Term Day Observations,	
	Greatest.	Least.	Max. Value in Arc.	Min. Value in Arc.		Greatest.	Least.	Maximum.	Minimum.
						D. H. M.	D. H. M.	D. H. M.	D. H. M.
January	21·782	14·870	20·562	16·786	6·912	10·17·00	4·20·00	23·16·55	23·14·00
February	21·208	17·229	20·385	18·189	3·979	28·17·00	13.20.00	22·16 35	22·20·05
March	21·139	16·680	20·179	17·572	4·459	25·17·00	18·20·00	19·16·40	19·19·45
April	21·963	14·758	20·453	16·886	7·205	3·17·00	11·21·00	23·16·40	23·21·35
May	21·758	15·720	20·933	17·229	6·038	19·15·00	5·20·00	30·15·30	30·19·40
June	22·101	15·788	21·139	16·337	6·313	8·16·00	30·19·00	18·15·20	18·21·10
July	21·482	14·004	20·933	14·828	7·478	29·15·00	21·20·00	23·15·50	23·20·20
August	22·444	15·171	22·512	16·337	7·341	29·15·00	1·20·00	29·15·15	29·20·20
September	22·101	13·935	20·385	16·474	8·166	17·16·00	12·19·00	24·17·05	24·20·45
October	21·415	16·474	21·688	17.778	5·214	22·23·00	2·19·00	22·23·35	22·11·50
November	21·415	17·229	20.453	18·258	4·186	27·22·00	2·19·00	28·21·20	28·15·05
December	21.826	17·778	20·522	18·875	4·048	28·21·00	4·15·00	24·16·15	24·08·37

It appears from this table that the time of the maximum declination varies between 16h. and 23h. in Winter months, and between 15h. and 17h. in the Summer months, while the time of minimum declination occurs between 19h. and 21h. in Summer; but it is not regular in Winter, as the time ranges itself between 8h. and 21h.

TABLE VI.—*Showing, for each Month, the Mean Value of Absolute Declination in arc, and its Periodic Changes from the Mean of the Year, as obtained from the Scale Readings of Large Declination Magnetometer.*

Months, 1856.	Mean Declination in Arc.	Difference from the Mean of the Year.	FOR SEASONS.	
January	0°18′636	−0′286	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter..	0°19′125
February	·18·959	·0·037		
March	·18·678	−0·244		
April	·18·552	−0.370	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer	0·18·719
May.....	·18·814	−0.108		
June.....	·18·749	−0.173		
July.....	·18·408	−0·514	Mean of the year	0·18·922
August.....	·18·944	0·022		
September	·18·848	−0·074	Greatest monthly mean, in December..	0·19·768
October	·19·145	0·223	Least monthly mean, in July.....	0·18·408
November	·19·568	0·646		
December.....	·19·768	0·846	Difference.....	1′360

The mean declination in the last three months was little higher than the average mean for those months.

TABLE VII.—*Daily Range of the Declination (in arc) for each Day of Göttingen Mean Time, as obtained from the Large Declination Magnet.*

Date, 1856.	January.	February.	March..	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	2′462	2′332		3′636	3′842		4′459	5′282	5′831	3′910		2·675
2	3·002		1′441	4·666	3·430	4′665	3·567		5·625	3·842	2′538	3·569
3	3·542	1·441	1·852	5·077		4·870	5·420	4·666	6·792	2·675	2·539	2·881
4	4·082	1·783	2·401	4·184	3·499	3·841	3·430	5·078	5·762		1·989	3·980
5		2·744	1·647		4·939	3·841		3·910	5·968	2·333	1·712	1·853
6	3·202	2·332	1·783	5·146	2·470	3·224	3·498	4·185		2·195	1·029	
7	2·370	2·333	2·263	4·459	4·047		2·675	4·184	6·518	2·607	1·749	1·989
8	2·482	2·607		5·488	3·979	4·323	2·126	3·224	5·145	1·920		2·058
9	2·452		2·333	4·870	4·184	3·430	3·705		4·665	2·607	1·441	2·538
10	3·837	2·054	2·949	4·048		4·037	3·773	5·762	4·322	3·087	2·230	1·921
11	4·475	2·888	2·607	5·558	3·430	3·841	3·704	6·244	5·488		1·715	3·293
12		2·126	2·401		3·842	2·401		5·145	7·684	2·263	1·784	2·882
13	2·673	3·018	1·303	4·184	3·155	3·361	3·636	4·803		2·195	1·166	
14	3·158	1·715	2·675	5·145	3·567		3·087		6.998	3·087	1·578	1·441
15	3·432	1·925		3·910	2·881	4·802	3·499	5·965	5·939	3·568		2·058
16	3·022		2·332	4·881	2·744	4·528	5·488		5·763	3·087	2·120	3·018
17	3·157	1·853	2·881	5·145		4·322	4·185	6·518	6·381	1·715	1·578	2·881
18	2·127	2·538	3·156	3·910	3·773	4·665	4·322	6·448	5·831		1·853	1·441
19		1·715	2·469		4·666	5·489		4·941	5·763	2·949	1·372	1·853
20	2·677	2·196		4·666	4·390	3·636	5·351	4·734		2·195	2·401	
21	2·945	1·926		2·882	4·253		5·832	4·939	4·116	2·332	2·607	1·784
22	3·565	1·975		4·166	4·321	3·568	4·528	4·623	3·156	3·157		1·715
23	3·758	2·195	2·538	3·361		5·146	5·415		4·253	3·705	2·264	1·852
24	3·125		2·812	3·224		3·430	5·831	3·636	3·773	2·058	2·263	1·338
25	2·332	2·058	2·263	4·254	4·116	3·774	3·773	5·558	4·939		2·264	1·578
26		2·126	2·332		3·841	4·940		4·596	4·938		2·812	
27	3·087	2·127	2·949	2·607	3·362	4·184	4·596	4·803		1·783	2·745	
28	2·676	2·813	3·156	3·293	3·910		5·350	5·077	3·567	1·509	1·715	3·534
29	2·676	3·155		2·401	3·705	5·284	5·694	5·832	4·184	2·333	2·401	2·332
30	1·715		3.159	2·744	3·499	5·008	5·350	5·214	3·430	1·715		2·264
31	2·058		3·636		3·018		3·841			2·058		2·724

TABLE VIII.—*Showing the Number of instances in which the Daily Range of Declination in arc was within certain Limits.*

Daily Range of Large Declinometer.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
Greater than 1′ and less than 2′	1	8	5							5	13	11	43
,, 2 ,, 3	12	15	15	4	3	1	2			13	12	10	87
,, 3 ,, 4	12	2	4	6	15	10	11	3	4	8		5	80
,, 4 ,, 5	2			10	8	10	5	10	7				52
,, 5 ,, 6				6		4	9	9	10				38
,, 6 ,, 7								3	4				7
,, 7 ,, 10									1				1

It appears from the last column of this table that there were 262 days in which the daily arc described by the Declination Magnet was greater than 1′ and less than 5′; 45 days in which it was greater than 5′ and less than 7′; and a single instance in which the range was greater than 7′ and less than 10′. The arc was most commonly described between 2′ and 6′, a fact coincident with the results of the preceding year.

TABLE IX.—*Showing the Greatest and Least Daily Range of Large Declination Magnetometer in arc, in each Month of the Year* 1856.

Months, 1856.	Daily Range of Large Declinometer in arc.		Difference.	The day on which the Range of Declinometer was	
	Greatest.	Least.		Greatest.	Least.
				D.	D.
January	4′475	1′715	2′760	11	30
February	3·155	1·441	1·714	29	3
March	3·636	1·303	2·333	31	13
April	5·558	2·401	3·157	11	29
May	4·939	2·470	2·469	5	6
June	5·489	2·401	3·088	19	12
July	5·832	2.126	3·706	21	8
August	6·518	3·224	3·294	17	8
September	7·684	3·156	4·528	12	22
October	3·910	1·509	2·401	1	28
November	2·812	1·029	1·783	26	6
December.....	3·980	1·338	2·642	4	24

It appears from this table that the time of the greatest and least ranges in one month is not similar to those of the other months; the daily ranges were larger in Summer than in Winter, a fact coincident with the preceding year. The extreme difference between the greatest and least ranges is 6′655, being the difference of the ranges of 12th September and 6th November.

TABLE X.—*Showing the Mean Monthly Range of the Declination Magnetometer.*

Months, 1856.	Mean Monthly Range of Declination.	FOR SEASONS.	
January	0°2·966		
February	·2·232		
March	·2·373	Mean for Winter	2·434
April	·4·148	Mean for Summer	4·441
May	·3·729		
June	·4·188	Mean for the year	3·438
July	·4·301		
August	·5·015		
September	·5·263		
October	·2·573	Greatest monthly mean, in September	5·263
November	·1·995	Least monthly mean, in November	1·995
December	·2·364		

The mean daily range in Summer and Winter was about 0·2 lower than the mean range of the preceding year.

TABLE XI.—*Mean Values of Absolute (Easterly) Declination, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	19·072	19·070	18·795	18·416	18·749	18·214	18·162	19·178	19·315	19·525	19·623	20·201	4 12 P. M.
1	18·801	18·991	18·564	18·513	18·733	18·371	18·308	19·284	19·261	19·199	19·465	20·042	5 „
2	18·693	19·062	18·448	18·361	18·496	18·335	18·200	18·873	18·841	19·062	19·575	20·028	6 „
3	18·716	19·136	18·454	18·153	18·310	18·085	17·910	18·636	18·829	19·179	19·660	19·992	7 „
4	18·709	19·065	18·441	18·152	18·369	18·168	17·973	18·567	18·902	19·309	19·669	19·994	8 „
5	18·793	19·070	18·527	18·348	18·498	18·354	18·105	18·715	18·962	19·335	19·690	20·125	9 „
6	18·795	19·021	18·658	18·462	18·675	18·527	18·266	18·858	19·151	19·381	19·741	20·083	10 „
7	18.841	19·085	18·709	18·584	18·933	18·808	18·437	19·050	19·155	19·432	19·751	20·010	11 „
8	18·854	19.062	18·749	18·780	19.089	19·045	18·705	19·193	19·264	19·435	19·861	19·888	Midnight.
9	18·698	18·944	18·758	18·884	19·195	19·229	18·861	19·296	19·284	19·437	19 943	19·795	1 12 A. M.
10	18·633	18·885	18·707	18·905	19 237	19·320	18·985	19·379	19·234	19·359	19·725	19·733	2 „
11	18·446	18·864	18·629	18·788	19·334	19·352	19·066	19·456	19·176	19·276	19·548	19·515	3 „
12	18·257	18·706	18.561	18·746	19·300	19·280	19·125	19·570	19·269	19·123	19·358	19·331	4 „
13	18·056	18·711	18·537	18·694	19·409	19·553	19·361	19·826	19·406	19·059	19·122	19·107	5 „
14	18·025	18·593	18·628	19·245	20·132	20·382	20·128	20·909	20·160	19·182	18·858	18·991	6 „
15	18·193	18·623	19·127	20·086	20·513	20·869	20·410	21·449	20·955	19·732	18·877	18·774	7 „
16	19·296	19·242	19·746	20·483	20·435	20·739	20·030	20·799	20·707	19·882	19·271	19·454	8 „
17	20·058	19·607	19·876	20·292	19·608	19·808	19·165	19·381	19·451	19·369	19·461	19·869	9 „
18	19·131	19·487	19·387	19·053	18·467	18·729	18·030	17·806	17·936	18·625	19·366	19·585	10 „
19	17·912	18·884	18·355	17·683	17·579	17·628	17·004	16·900	16·659	18·047	19·205	19·334	11 „
20	17·571	18·435	17·791	16·733	17·058	17·005	16·416	16·459	15·953	17·846	19·688	19·697	Noon.
21	18.088	18·520	17·873	16·754	17·257	17·004	16·559	16·795	16·389	18·255	20·154	20·256	1 P. M.
22	18·593	18·856	18·255	17·178	17·804	17·387	16·987	17·698	17·423	18·969	20·154	20·319	2 „
23	19.003	19·087	18·766	17·897	18·303	17·855	17·558	18·512	18·675	19·464	19·904	20·256	3 „

TABLE XII.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Solar Time about which the Mean Value of Absolute (Easterly) Declination, in each Month, was at its Maxima and Minima.*

Months, 1856.	The Mean Hourly Declination at its								Mean Diurnal Range.	The Time at which the Mean Hourly Declination was at its							
	1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.		1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.
										H.	H.	H.	H.	H.	H.	H.	H.
January....	19·072	18·693	18·716	18·709	18·854	18·025	20·058	17·571	2·487	24	2	3	4	8	14	17	20
February ..	19·087	18·991	19·136	19·021	19·085	18·593	19·607	18·435	1·172	23	1	3	6	7	14	17	20
March	18·795	18·448	18·454	18·441	18·758	18.537	19·876	17·791	2·085	24	2	3	4	9	13	17	20
April.....	18·513			18·152	18·905	18·694	20·483	16·733	3·750	25			4	10	13	16	20
May	18·749			18·310	19·334	19·300	20·513	17·058	3·455	24			3	11	12	15	20
June	17·855	18·214	18·371	18·085	19·352	19·280	20·869	17·004	3·865	23	0	1	3	11	12	15	21
July			18·308	17·910			20·410	16.416	3·994			1	3			15	20
August			19·284	18·567			21·449	16·459	4·990			1	4			15	20
September..	19·315			18·829	19·284	19·176	20·955	15·953	5·002	24			3	9	11	15	20
October....	19·525	19·062			19·482	19·059	19·882	17·846	2·036	24	2			7	13	16	20
November..	20·154	19·465			19·943	18·858	19.461	19·205	1·296	22	1			9	14	17	19
December..	20·319			19·992	20·125	18·991	19.869	19·334	1·328	22			3	5	14	17	19
Mean of {January, February, March, October, November, December,} or Winter									1·772	23	2	3	4	8	14	17	20
Mean of {April, May, June, July, August, Sept.} or Summer									4·176	25	1	1	3	11	12	15	20

It appears from this table that the marked end of the Declination Magnet, during this year, has reached its extreme easterly portion at its morning maxima, except in November and December, in which months it took its extreme position at about 22h. The times of maxima and minima vary according to the seasons of the year. The diurnal movements of this element consist generally of triple maxima and triple minima; but in the first four months, July to October, four maxima and four minima were apparent; while in the months of July and August, two maxima and two minima were experienced, in these months the declination gradually rose from 3h. to 15h. to attain its morning maxima. The extreme movements of the Declination Magnet happen during the day-time, while during the night they remain nearly constant. From this and from the constancy of mid-day minima it appears that the magnetism of the bar is slightly affected by solar heat. The following are the times at which the maxima and minima of this element generally occur:—

First evening maxima, earlier in Winter and later in Summer.
First evening minima, at about sunset in Winter, but vanish in Summer.
Second evening maxima, after sunset in Winter, but vanish in Summer.
Second evening minima, later in Winter and earlier in Summer.
Midnight maxima, earlier in Winter and later in Summer.
Morning minima, later in Winter and earlier in Summer.
Morning maxima, " " " "
Mid-day minima remain nearly constant throughout the year.

TABLE XIII.—*Showing, for the Year* 1856, *the Mean Absolute Easterly Declination in Arc for each Hour of Göttingen and Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Göttingen Mean Solar Time.	Bombay Civil Time.	Mean Value of Absolute Easterly Declination. Winter.	Summer.	Mean for the Year.	Difference of Hourly Mean from the Mean of the Whole.
Noon.	4 12 P. M.	0°19′·381	0°18′·672	0°19′·026	0′·108
1	5 „	·19·177	·18·745	·18·961	0·043
2	6 „	·19·145	·18·518	·18·831	−0·087
3	7 „	·19·189	·18·320	·18·704	−0·214
4	8 „	·19·198	·18·355	·18·777	−0·141
5	9 „	·19·266	·18·480	·18·873	−0·045
6	10 „	·19·280	·18·656	·18·968	0·050
7	11 „	·19·313	·18·823	·19·068	0·150
8	0 12 A. M.	·19·308	·19·013	·19·160	0·242
9	1 „	·19·262	·19·125	·19·194	0·276
10	2 „	·19·174	·19·177	·19·175	0·257
11	3 „	·19·046	·19·195	·19·120	0·202
12	4 „	·18·889	·19·215	·19.052	0·134
13	5 „	·18·765	·19·375	·19·070	0·152
14	6 „	·18·713	·20·159	·19·436	0·518
15	7 „	·18·888	·20·714	·19·801	0·883
16	8 „	·19·482	·20·532	·20·007	1·089
17	9 „	·19·707	·19·701	·19·704	0·786
18	10 „	·19·263	·18·337	·18·800	−0·118
19	11 „	·18·623	·17·242	·17·832	−1·086
20	0 12 P. M.	·18·504	·16·604	·17·554	−1·364
21	1 „	·18·858	·16·793	·17·825	−1·093
22	2 „	·19·191	·17·413	·18·302	−6·616
23	3 „	·19·447	·18·133	·18·790	−0·128

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 4, 6, 7 / 8, 9, 10 11 12, 13} or Night.. 19′·000

Mean of {14, 15, 16, 17, 18, 19 / 20, 21, 22, 23, 24, 1} or Day.. 18′·836

Mean ..... 18′·918

TIMES OF MEAN MAXIMUM AND MINIMUM.

In Winter.

A minimum at about 2 or 6 P. M.
A maximum at about 7 or 11 „
A minimum at about 14 or 6 A. M.
A maximum at about 17 or 9 „
A minimum at about 20 or Noon.
A maximum at about 23 or 3 P. M.

In Summer.

A maximum at about 1 or 5 P. M.
A minimum at about 4 or 7 „
A maximum at about 15 or 7 „
A minimum at about 20 or Noon.

If the mean declination is to be determined from a single observation taken daily in each month, the time indicated by this table is 5h. or 6h.; the combination of the observations of 5h. and 6h. will give a more accurate mean than a single observation.

TABLE XIV.—*Excess of the Mean Hourly Values of Absolute Declination above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1856. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Bombay Civil Time.
													H. M.
Noon.	0′·436	0′·111	0′·116	−0′·136	−0′·065	−0′·535	−0′·246	0′·234	0′·467	0′·380	0′·551	0′·433	4 12 P.M.
1	0·165	0·032	−0·105	−0·039	−0·081	−0·378	−0·100	0·340	0·413	0·054	−0·103	0·274	5 12 „
2	0·057	0·103	−0·231	−0·191	−0·318	−0·414	−0·208	−0·071	−0·007	−0·083	0·007	0·260	6 12 „
3	0·080	0·177	−0·225	−0·399	−0·504	−0·664	−0·498	−0·308	−0·019	0·034	0·092	0·224	7 12 „
4	0·073	0·106	−0·258	−0·400	−0·445	−0·581	−0·435	−0·377	0·054	0·244	0·101	0·226	8 12 „
5	0·157	0·111	−0·152	−0·204	−0·316	−0·395	−0·303	−0·229	0·114	0·190	0·122	0·357	9 12 „
6	0·159	0·062	−0·021	−0·090	−0·139	−0·222	−0·142	−0·086	0·303	0·236	0·173	0·315	10 12 „
7	0·205	0·126	0·030	0·032	0·119	0·059	0·029	0·106	0·307	0·337	0·183	0·242	11 12 „
8	0·218	0·103	0·070	0·228	0·275	0·296	0·297	0·149	0·416	0·290	0·293	0·120	Midnight.
9	0·062	−0·015	0·079	0·332	0·381	0·480	0·453	0·352	0·436	0·292	0·375	0·027	1 12 A.M.
10	−0·003	−0·134	0·028	0·453	0·423	0·571	0·577	0·435	0·406	0·214	0·157	−0·035	2 12 „
11	−0·190	−0·095	−0·050	0·236	0·520	0·603	0·658	0·512	0·328	0·131	−0·023	−0·253	3 12 „
12	−0·379	−0·253	−0·118	0·194	0·486	0·531	0·717	0·626	0·421	0·022	−0·210	−0·437	4 12 „
13	−0·580	−0·248	−0·142	0·142	0·595	0·804	0·953	0·882	0·558	−0·086	−0·446	−0·661	5 12 „
14	−0·611	−0·366	−0·051	1·293	1·318	1·633	1·720	1·965	1·312	0·037	−0·710	−0·777	6 12 „
15	−0·443	−0·336	0·448	1·534	1·699	2·120	2·002	2·505	2·107	0·587	−0·691	−0·994	7 12 „
16	0·660	0·283	1·067	1·931	1·621	1·990	1·622	1·855	1·859	0·737	−0·297	−0·314	8 12 „
17	1·422	0·648	1·197	1·740	0·794	1·059	0·757	0·437	0·603	0·224	−0·107	0·101	9 12 „
18	0·495	−0·528	0·708	0·501	−0·347	−0·020	−0·378	−1·138	−0·912	−0·520	−0·232	−0·183	10 12 „
19	−0·724	−0·075	−0·324	−0·869	−1·235	−1·121	−1·404	−2·044	−2·189	−1·098	−0·363	−0·434	11 12 „
20	−1·065	−0·524	−1·088	−1·819	−1·756	−1·744	−1·992	−2·485	−2·895	−1·299	0·120	−0·071	Noon.
21	−0·548	−0·439	−0·806	−1·798	−1·557	−1·745	−1·849	−2·149	−2·459	−0·890	0·586	0·488	1 P. M.
22	−0·043	−0·103	−0·424	−1·374	−1·010	−1·362	−1·421	−1·246	−1·425	−0·176	0·586	0·551	2 „
23	0·367	0·128	0·087	−0·655	−0·511	−0·894	−0·850	−0·432	−0·173	0·319	0·336	0·488	3 „

TABLE XV.—*Showing the Number of Hours in each Month, deduced from the Hourly Means, during which the Magnet was on each side of the Mean Position for that Month.*

Months, 1856.	The marked end of the Magnet was East of the Mean Position	Length of Time the marked end was East of the Mean Position.			The marked end of the Magnet was West of the Mean Position	Length of Time the marked end was West of the Mean Position.		
		1st inst.	2nd inst.	3rd inst.		1st inst.	2nd inst.	3rd inst.
January	Between 23h. and 9m. and 16h. and 18m.	11	3	...	Between 10h. and 15h. and 19h. and 22h.	6	4	
February.....	Between 23h. & 8m. & 16h. & 18m.	10	3	...	Between 9h. & 15m. & 19h. & 22m.	7	4	
March	Between 23h. & 24m. 7h. & 10m. & 15h. and 18m.	2	4	4	Between 1h. & 6m. 11h. & 14m. & 19h. and 22m.	6	4	4
April	Between 7h. and 18m.	12	...	...	Between 19h. and 6m.	12		
May.....	Between 7h. and 17m.....	11	...	...	Between 18h. and 6m.	13		
June.....	Between 7h. and 17m.....	11	...	...	Between 18h. and 6m.	13		
July.....	Between 7h. and 17m.....	11	...	...	Between 18h. and 6m.	13		
August.....	Between 24h. & 1m. & 7h. & 17m.	2	11	...	Between 2h. & 6m. & 18h. & 23m.	5	6	
September	Between 24h. & 1m. & 4h. & 17m.	2	14	...	Between 2h. & 3m. & 18h. & 23m.	2	6	6
October	Between 23h. & 1m. 3h. & 12m. & 14h. and 17m.....	3	10	4	At 2h. at 13m. and between 18h. and 23m.	1	1	
November	Between 20h. & 24m. & 2h. & 10m.	5	9	...	At 1h. and between 11m. and 19h.	1	9	
December	Between 21h. and 9m. and at 17h...	13	1	...	Between 10h. & 16m. & 18h. & 20m.	7	3	

We see from this table that the Declination Magnet passed the mean magnetic meridian four times every day in 8 months, from August to March, but in the remaining four months it was only twice in the meridian. About the beginning and close of the SW. monsoon, or in the months of March and October, two more meridian passages of the magnet took place at 1h. and 12h., a fact similar to what was observed during the last year. The times of the meridian passages do not remain constant, but they vary in different months of the year.

It also appears from this table that the best time to determine the mean position of the Declination Magnet is 18h., which remains nearly constant throughout the year.

TABLE XVI.—*Showing the Differences in the Mean Positions of the Declination Magnet between every Pair of Consecutive Hours in each Month, estimated positive when the Declination was greater at the latter hour.*

Time.	MONTHS, 1856.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Between 0 and 1	-0·261	-0·079	-0·221	0·097	-0·016	0·157	0·146	0·106	-0·054	-0·326	-0·654	-0·159
1 and 2	-·108	·071	-·126	-·112	-·237	-·036	-·108	-·411	-·420	-·137	·110	-·014
2 and 3	·023	·074	·006	-·208	-·186	-·250	-·290	-·227	-·012	·117	·085	-·036
3 and 4	-·007	-·071	-·033	-·001	·059	·083	·063	-·069	·073	·210	·009	·002
4 and 5	·084	·005	·106	·196	·029	·186	·132	·148	·064	-·054	·021	·131
5 and 6	·002	-·049	·131	·114	·177	·173	·161	·143	·189	·046	·051	-·042
6 and 7	·046	·064	·051	·122	·258	·281	·171	·192	·004	·101	·010	-·073
7 and 8	·013	-·023	·040	·196	·156	·137	·268	·043	·109	-·047	·110	-·122
8 and 9	-·156	-·118	·009	·104	·106	·184	·156	·203	·020	·002	·082	-·093
9 and 10	-·065	-·119	-·051	·121	·042	·091	·114	·083	·030	-·078	-·218	-·062
10 and 11	-·187	·039	-·078	-·217	·097	·032	·081	·077	·078	-·083	-·180	-·218
11 and 12	-·189	-·158	-·068	-·042	-·034	-·072	·059	·114	·093	-·109	-·187	-·184
12 and 13	-·201	·005	-·024	-·052	·109	·273	·136	·256	·137	-·108	-·236	-·224
13 and 14	-·031	-·118	·091	1·151	·723	·829	·767	1·083	·754	·123	-·234	-·116
14 and 15	·168	·030	·499	0·241	·381	·487	·282	0·040	·795	·550	·019	-·217
15 and 16	1·103	·619	·619	·397	-·078	-·130	-·380	-·650	·248	·150	·394	·680
16 and 17	0·762	·365	·130	-·191	-·827	-·931	-·865	-·418	-1·256	-·513	·190	·213
17 and 18	-·927	-·120	-·489	-1·239	-1·141	-1·039	-1·135	-1·575	-1·515	-·774	-·125	-·284
18 and 19	-1·229	-·603	-1·032	-1·370	-0·888	-1·101	-1·026	-0·906	-1·277	-·578	-·131	-·251
19 and 20	-0·341	-·449	-0·764	-0·950	-·521	-0·623	-0·488	-·441	-0·706	-·201	·483	·363
20 and 21	·517	·085	·282	·021	·199	-·001	0·153	·336	0·436	·409	·466	·559
21 and 22	·505	·336	·382	·424	·547	·383	·428	·903	1·034	·714	·000	·063
22 and 23	·410	·231	·511	·719	·499	·468	·571	·814	1·252	·495	-·250	-·063
23 and 24	·069	-·017	·029	·519	·446	·359	·604	·666	0·640	·061	·215	-·055

TABLE XVII.—*This Table is formed by taking the Means of the Numbers in the preceding Table without regard to their Signs.*

Between what Hours.	Amount of Difference of Mean Position in Summer.	Character of Changes in Summer.	Mean Amount of Difference of Mean Positions in Winter.	Character of Changes in Winter.
Noon and 1	0·096	Falling, except in June and September.	0·283	Generally falling.
1 and 2	·221	Generally falling.	·094	Falling, except in February and October.
2 and 3	·195	„ „	·057	Generally rising. [of the season.
3 and 4	·058	Rising, except in April and August.	·055	Rising at the beginning, and falling at the close
4 and 5	·126	Generally rising.	·067	Rising, except in October.
5 and 6	·159	„ „	·053	Rising, except in December.
6 and 7	·171	„ „	·057	Generally rising.
7 and 8	·151	„ „	·059	Variable.
8 and 9	·129	„ „	·077	Falling, except in May and October.
9 and 10	·080	„ „	·099	Generally falling.
10 and 11	·097	Rising, except in August. [of the season.	·131	„ „
11 and 12	·069	Falling at the beginning, & rising at the close	·149	„ „
12 and 13	·160	Rising, except in April.	·133	„ „
13 and 14	·885	Generally rising.	·119	Falling, except in May and October.
14 and 15	·371	„ „	·247	Rising, except in December.
15 and 16	·314	Falling, except in April and September.	·594	Generally rising.
16 and 17	·748	Generally falling.	·362	Rising, except in October.
17 and 18	1·274	„ „	·453	Generally falling.
18 and 19	1·095	„ „	·687	„ „
19 and 20	0·622	„ „	·433	Falling, except in November and December.
20 and 21	·191	Generally rising.	·386	Generally rising.
21 and 22	·620	„ „	·333	„ „
22 and 23	·720	„ „	·327	Rising, except in November and December.
23 and 24	·539	„ „	·074	Rising, except in February and December.

TABLE XVIII.—*Mean Hourly Values of Absolute Declination, diminished by the Monthly Mean; and the Mean Diurnal Change for each Hour.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Noon.	0′328	0′003	0′008	−0′244	−0′173	−0′643	−0′354	0′126	0′359	0′272	0′443	0′325	H. M. 4 12 P.M.
1	·122	− ·011	− ·148	− ·082	− ·124	− ·421	− ·143	·297	·370	·011	− ·146	·231	5 12 „
2	·144	·190	− ·144	− ·104	− ·231	− ·327	− ·121	·016	·080	·004	·094	·347	6 12 „
3	·294	·391	− ·011	− ·185	− ·290	− ·450	− ·284	− ·094	·195	·228	·306	·438	7 12 „
4	·214	·247	− ·117	− ·259	− ·304	− ·440	− ·294	− ·236	·195	·385	·242	·367	8 12 „
5	·202	·156	− ·107	− ·159	− ·271	− ·350	− ·258	− ·184	·159	·235	·167	·402	9 12 „
6	·109	·012	− ·071	− ·140	− ·089	− ·272	− ·092	− ·036	·253	·186	·123	·265	10 12 „
7	·055	− ·024	− ·120	− ·118	− ·031	− ·091	− ·121	− ·044	·157	·187	·033	·092	11 12 „
8	− ·024	− ·139	− ·172	− ·014	·033	·054	·055	− ·093	·174	·048	·051	− ·122	Midnight.
9	− ·214	− ·291	− ·197	·056	·105	·204	·177	·076	·160	·016	·099	− ·249	1 12 A.M.
10	− ·260	− ·391	− ·229	·196	·166	·314	·320	·178	·149	− ·043	− ·100	− ·292	2 12 „
11	− ·392	− ·297	− ·252	·034	·318	·401	·456	·310	·126	− ·071	− ·225	− ·455	3 12 „
12	− ·513	− ·387	− ·252	·060	·352	·397	·383	·492	·287	− ·112	− ·344	− ·571	4 12 „
13	− ·732	− ·400	− ·294	·010	·443	·652	·801	·730	·406	− ·238	− ·598	− ·813	5 12 „
14	−1·129	− ·884	− ·569	·775	·800	1·115	1·202	1·447	·794	− ·481	−1·228	−1·295	6 12 „
15	−1·326	−1·219	− ·435	·651	·816	1·237	1·119	1·622	1·224	− ·296	−1·574	−1·877	7 12 „
16	−0·429	−0·806	− ·022	·842	·532	0·901	0·533	0·766	0·770	− ·352	−1·386	−1·403	8 12 „
17	·636	− ·138	·411	·954	·008	·273	− ·029	− ·349	− ·183	− ·562	−0·893	−0·685	9 12 „
18	·613	− ·410	·826	·619	− ·229	·098	− ·260	−1·020	− ·794	− ·418	− ·114	− ·065	10 12 „
19	·362	1·011	·762	·217	− ·149	− ·035	− ·318	−0·958	−1·103	− ·012	·723	·652	11 12 „
20	·299	0·840	·276	− ·455	− ·392	− ·380	− ·628	−1·121	−1·531	− ·065	1·484	1·293	Noon.
21	·545	·654	·287	− ·705	− ·464	− ·652	− ·756	−1·056	−1·366	− ·203	1·679	1·581	1 P. M.
22	·573	·513	·192	− ·758	− ·394	− ·746	− ·805	−0·630	−0·809	− ·440	1·202	1.167	2 „
23	·495	·256	·215	− ·527	− ·383	− ·766	− ·722	− ·304	− ·045	·447	0·464	0·616	3 „

TABLE XIX.—*Showing, for each Month, the Mean Diurnal Inequality of the Absolute Values of Easterly Declination, without regard to the signs of Numbers in the preceding Table.*

Months, 1856.	Monthly Sums.	Mean Diurnal Inequality.	FOR SEASONS.	
January	0°10′010	0°0·417	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	0°0′419
February	9·670	0·403		
March	6·117	0·255		
April	8·164	0·340	Mean of {April, May, June, July, Aug. Sept.} or Summer	0·422
May	7·097	0·296		
June	11·219	0·467		
July	10·431	0·435	Mean of the Year	0·0·420
August	12·185	0·508		
September	11·689	0·487	Greatest monthly mean, in December	0·650
October	5·312	0·221	Least monthly mean, in October	0·221
November	13·718	0·572		
December	15·603	0·650	Difference	0·429

TABLE XX.—*Showing, for the Year* 1856, *the Mean Diurnal Inequality for each Hour of Göttingen Mean Time, and the Hourly Sums, without regard to the signs of Numbers in Table XVIII.*

Göttingen Mean Time.	Bombay Civil Time.	Monthly Sums.	Mean Diurnal Inequality.	FOR DAY AND NIGHT.	
	H. M.				
Noon.	4·12 P. M.	0°3′278	0°0′243		
1	5 „	2·106	0·175		
2	6 „	1·762	0·147		
3	7 „	3·166	0·264		
4	8 „	3·090	0·257	Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	0°0′226
5	9 „	2·650	0·221		
6	10 „	1·648	0·137		
7	11 „	1·073	0·089	Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	0·0·625
8	0·12 A. M.	0·979	0·081		
9	1 „	1·830	0·152		
10	2 „	2·638	0·220	Mean	0·425
11	3 „	3·337	0·278		
12	4 „	4·350	0·362		
13	5 „	6·117	0·510		
14	6 „	11·719	0·977	TIMES OF GREATEST AND LEAST INEQUALITY.	
15	7 „	15·396	1·283		
16	8 „	8·742	0·729	G. M. T.	B. C. T.
17	9 „	5·115	0·426		
18	10 „	5.466	0·455	Greatest inequality at 15	7 A. M.
19	11 „	6·302	0·525	Least inequality at 8	Midnight.
20	0·12 P. M.	8·764	0·730		
21	1 „	9·948	0·829		
22	2 „	8·229	0·686		
23	3 „	5·240	0·437		

HORIZONTAL FORCE.

During the year 1856 the changes of the Horizontal Force of the Earth were determined by two Horizontal Force Magnetometers, one a large and the other a small instrument; they are both described in the Introduction.

Horizontal Intensity is obtained from the Scale Readings of large Horizontal Force Magnetometer, which were of course corrected for the effects of the temperature of Attached Thermometer, and were further corrected for the changes in the actual Horizontal Intensity found from the Deflection Observations.

The assumed formula for correcting the Horizontal Intensity (as obtained from the Scale Readings corrected for the temperature of Attached Thermometer) is $c = -0{\cdot}0018\ (t^\circ - 80)$, in which t° denotes the temperature of circumambient air.

TABLE XXI.—*Mean Value of Absolute Horizontal Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.
1	8·0254	8·0221		8·0207	8·0125		8·0172	8·0214	8·0114	8·0079		8·0174
2	·0252		8·0222	·0204	·0128	8·0096	·0154		·0131	·0082	8·0147	·0189
3	·0293	·0265	·0188	·0183		·0100	·0195	·0214	·0125	·0128	·0119	·0169
4	·0279	·0285	·0214	·0190	·0173	·0074	·0191	·0167	·0125		·0147	·0079
5		·0315	·0198		·0163	·0070		·0178	·0156	·0040	·0104	·0150
6	·0263	·0273	·0171	·0183	·0179	·0088	·0211	·0183		·0068	·0134	
7	·0335	·0215	·0209	·0201	·0185		·0203	·0184	·0161	·0083	·0127	·0170
8	·0260	·0252		·0187	·0176	·0073	·0184	·0198	·0124	·0117		·0133
9	·0307		·0169	·0188	·0182	·0061	·0204		·0085	·0078	·0172	·0199
10	·0297	·0240	·0194	·0192		·0065	·0210	·0213	·0132	·0116	·0174	·0115
11	·0219	·0205	·0189	·0181	·0155	·0060	·0216	·0151	·0150		·0164	·0137
12		·0192	·0198		·0149	·0079		·0184	·0153	* ·0008	·0181	·0197
13	·0127	·0191	·0221	·0184	·0190	·0112	·0230	·0200		·0082	·0192	
14	·0122	·0172	·0207	·0183	·0111		·0222		·0154	·0094	·0210	·0180
15	·0106	·0199		·0192	·0096	·0143	·0230	·0188	·0151	·0103		·0172
16	·0154		·0170	·0160	·0096	·0164	·0252		·0091	·0115	·0175	·0188
17	·0147	·0215	·0202	·0183		·0106	·0218	·0180	·0081	·0123	·0190	·0144
18	·0120	·0221	·0153	·0155	·0157	·0131	·0148	·0211	·0080		·0195	·0147
19		·0261	·0142		·0149	·0168		·0178	·0081	·0141	·0157	·0178
20	·0153	·0207		·0186	·0160	·0162	·0273	·0190		·0072	·0163	
21	·0131	·0195		·0190	·0162		·0253	·0166	·0098	·0096	·0144	·0188
22	·0129	·0228		·0111	·0149	·0198	·0222	·0102	·0106	·0045		·0182
23	·0153	·0197	·0183	·0096		·0205	·0189		·0084	·0020	·0193	·0192
24	·0265		·0193	·0141		·0187	·0213	* ·0058	·0098	·0063	·0174	·0146
25	·0310	·0177	·0208	·0151	·0205	·0191	·0211	·0171	·0118		·0207	·0154
26		·0092	·0209		·0183	·0196		·0152	·0049		·0203	
27	·0300	·0049	·0098	·0163	·0143	·0175	·0212	·0165		·0130	·0176	
28	·0275	·0095	·0201	·0147	·0125		·0214	·0159	·0090	·0127	·0167	·0144
29	·0273	·0124		·0156	·0124	·0192	·0208	·0150	·0079	·0116	·0134	* ·0053
30	·0283		·0156	·0119	·0125	·0166	·0224	·0151	·0069	·0156		·0129
31	·0224		·0198		·0111		·0200			·0155		·0141

* This sign denotes abnormal days, or days on which Magnetic disturbances occurred.

TABLE XXII.—*Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	79°8	77°0		85°8	88·3		80°3	82·0	81·7	83·7		79·8
2	80·0		82·2	86·6	88·4	82·0	80·2		82·4	83·7	84·1	79·1
3	80·8	77·3	82·7	85·6		81·8	81·7	82·4	83·1	84·3	84·7	78·7
4	79·7	76·8	83·3	84·6	88·2	83·0	82·0	81·9	83·1		84·8	79·5
5		78·0	82·5		88·0	81·0		81·5	83·3	85·4	84·1	79·7
6	78·9	80·4	83·5	84·9	*87·8	82·0	83·4	82·0		85·8	84·3	
7	80·3	80·5	84·0	84·8	88·1		84·6	82·4	83·1	85·8	84·8	78·1
8	80·2	80·2		85·2	88·1	82·2	84·4	82·0	82·9	85·2		76·0
9	79·8		83·6	85·3	88·2	80·7	84·0		82·9	86·0	84·0	77·4
10	80·1	79·5	83·8	84·9		82·6	84·0	82·9	83·0	86·2	82·6	79·8
11	80·3	80·1	83·8	85·5	87·8	84·7	83·9	82·7	82·7		81·9	82·6
12		79·9	83·4		87·8	85·6		82·8	81·5	*84·7	82·0	82·4
13	79·1	78·8	85·1	86·8	87·8	86·2	83·7	83·7		83·8	81·6	
14	78·8	78·0	85·9	86·6	87·9		82·5		82·1	82·9	81·4	80·9
15	78·7	78·5		86·4	88·4	86·1	83·7	82·8	82·3	82·1		78·3
16	78·8		84·4	85·6	88·2	85·6	84·4		81·2	82·0	80·9	77·6
17	78·2	80·0	85·0	85·8		85·8	83·8	82·6	81·7	82·9	81·4	79·0
18	77·5	80·4	83·8	86·8	88·0	86·5	83·2	82·5	*80·1		81·3	79·0
19		82·1	81·6		88·2	86·7		82·0	77·7	82·7	81·4	79·0
20	80·7	82·9		87·4	88·3	86·7	84·2	82·2		81·4	80·4	
21	80·3	82·7		86·8	87·1		84·5	82·7	77·8	81·4	79·0	79·1
22	80·8	81·9		86·5	88·5	87·0	84·0	82·7	79·6	81·5		80·7
23	80·4	80·4	82·7	86·4		87·2	80·9		80·8	81·4	80·6	80·0
24	80·4		82·5	86·8		86·6	80·6	*82·6	81·6	81·2	80·5	78·5
25	79·1	78·8	81·6	87·2	89·7	85·8	81·3	82·7	82·0		82·3	78·1
26		79·1	82·4		88·5	83·8		83·3	82·3		82·5	
27	78·2	79·4	83·5	87·1	86·9	84·2	81·2	83·2		83·6	80·7	
28	78·5	79·4	84·5	87·2	87·1		81·4	82·2	82·5	83·5	79·8	79·3
29	77·5	80·5		87·5	86·7	85·1	81·5	82·3	82·9	81·7	79·7	*78·1
30	77·6		83·1	87·9	85·7	83·2	82·5	80·8	83·3	81·3		77·0
31	76·2		83·8		84·6		82·2			82·5		75·2

* This sign denotes days of Magnetic disturbance.

TABLE XXIII.—*Showing the Number of Instances in which the Difference between the Mean Daily Values of Horizontal Force on two consecutive Days was within certain Limits.*

Difference of the Daily Means of two consecutive Days.				January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
	En. Un.		En. Un.													
Greater than	0·001	and less than	0·002	6	5	4	7	7	7	4	8	6	6	7	7	74
„	·002	„	·003	4	3	4	4	2	5	6	1	2	3	3	3	40
„	·003	„	·004	1	5	4	2		4	3	3	4	3	5	2	36
„	·004	„	·005	4	5	3	2	3		1	3	2	3	3	3	32
„	·005	„	·006	1	2			1	1		1		1			7
„	·006	„	·007					1			2	2	2		2	9
„	·007	„	·008	3			1	1		1			1		2	9
„	·008	„	·009		1								1		1	3
„	·009	„	·010	1		1									2	4
„	·010	„	·011	1		1							1			3
„	·011	„	·012			1										1
„	·012	„	·013							1						1

This Table shows that out of 308 cases there were 89 instances in which the difference of the daily means was less than 0·001 En. Un.; 182 instances in which the difference was greater than 0·001 and less than 0·005; 32 instances in which the difference was greater than 0·005 and less than 0·010; and there were only 5 instances in which the difference was greater than 0·010 En. Un.

TABLE XXIV.—*Showing the Greatest and Least Difference in each Month, between the Daily Mean Values of Horizontal Force of two consecutive Days.*

Months, 1856.	Difference of Daily Means.		Difference.	The Day on which the Difference was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	Between	Between
January	0·0112	0·0002	0·0110	23 & 24	2 instances.
February	·0085	·0001	·0084	25 – 26	12 & 13
March	·0111	·0001	·0110	26 – 27	25 - 26
April	·0079	·0001	·0078	22 – 23	8 – 9
May	·0079	·0000	·0079	13 – 14	15 – 16
June	·0058	·0004	·0054	16 – 17	4 instances.
July	·0125	·0001	·0124	18 – 20	25 & 27
August	·0064	·0001	·0063	21 – 22	2 instances.
September	·0069	·0009	·0069	25 – 26	3 & 4
October	·0108	·0001	·0107	10 – 12	30 – 31
November	·0049	·0002	·0047	21 – 23	9 – 10
December	·0091	·0003	·0088	28 – 29	17 – 18

It appears from this Table that in no instance the difference of the daily means of two consecutive days was greater than 0·013; the time of the greatest difference generally occurred between the 20th and 30th days of a month, and the time of the least difference between the 1st and 10th days of a month. The extreme difference of the daily means of Horizontal Force occurred between the 18th and 20th of July.

TABLE XXV.—*Showing the Greatest and Least Mean Daily Values of Horizontal Intensity in each Month of the Year* 1856.

Months, 1856.	Mean Daily Value of Horizontal Intensity.		Difference.	The Day on which the Daily Value of Horizontal Intensity was	
	Greatest.	Least.		Greatest.	Least.
January	8·0335	8·0106	0·0229	7	15
February	·0315	·0049	·0266	5	27
March	·0222	·0098	·0124	2	27
April	·0207	·0096	·0111	1	23
May	·0205	·0096	·0109	25	15 & 16
June	·0205	·0060	·0145	23	11
July	·0273	·0148	·0125	20	18
August	·0214	·0058	·0156	1 & 3	24
September	·0161	·0049	·0112	7	26
October	·0156	·0008	·0148	30	12
November	·0210	·0104	·0106	14	5
December	·0199	·0053	·0146	9	29

It appears from this Table that the Horizontal Force Magnet was subject to less variation in its daily movements in the month of November than in any other month. It was subject to the greatest variation in the month of January. The extreme range between the mean positions of the Horizontal Force Magnet was 0·0286 En. Units. The mean monthly range of the daily horizontal intensity was 0·0148 En. Units.

TABLE XXVI.—*Showing the Values of Absolute Horizontal Intensity, as obtained from the Extreme Scale Readings in Simple Hourly Observations and Term Hour Observations, corrected for Instrumental Errors.*

Months, 1856.	Horizontal Intensity in Simple Hourly Observations.		Horizontal Intensity from Term Hour Observations.		Extreme Range.	Time when Horizontal Intensity in Simple Hourly Observations was		Time when the Horizontal Force in Term Hour Observations was	
	Greatest.	Least.	Greatest.	Least.		Greatest.	Least.	Greatest.	Least.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	D. H. M.	D. H. M.	D. H. M.	D. H. M.
January	8·0584	7·9998	8·0211	8·0190	0·0586	9·19·0	14· 3·0	23·17·27	23·21·52
February ..	8·0407	7·9879	8·0364	8·0130	0·0528	19·19·0	27· 5·0	22·18·12	22·02·42
March	8·0395	7·9957	8·0231	8·0072	0·0438	14·19·0	27· 4·0	19·17·12	19·04·27
April	8·0397	8·0006	8·0197	8·0068	0·0391	17·19·0	23· 5·0	23·17·02	23·01·32
May	8·0360	8·0024	8·0212	8·0063	0·0336	13·19·0	16· 4·0	30·17·22	30·00·07
June	8·0336	7·9970	8·0169	8·0143	0·0366	19·20·0	10·13·0	18·16·52	18·00·37
July	8·0411	8·0114	8·0330	8·0158	0·0297	20·20·0	31· 6·0	23·18·52	23·03·32
August	8·0366	8·0017	8·0196	8·0167	0·0349	18·20·0	22·19·0	29·17·42	29·22·57
September ..	8·0309	7·9901	8·0204	8·0102	0·0408	14·18·0	9· 3·0	24·18·32	24·00·17
October	8·0293	7·9749	8·0129	7·9966	0·0544	19·19·0	12· 3·0	22·11·57	22·22·57
November ..	8·0368	7·9945	8·0269	8·0050	0·0423	14·19·0	5· 4·0	28·17·12	28·05·27
December ..	8·0388	7·9843	8·0165	8·0099	0·0545	11·19·0	4· 4·0	24·14·32	24·01·42

The time of the greatest intensity happens between 18h. and 20h., and that of the minimum occurs between noon and 4h. Göttingen Mean Time.

The range of horizontal intensity was higher in Winter than in Summer; the greatest range for the year was 0·0835, being the difference of the values of 9th January and 12th October in Simple Hourly Observations.

TABLE XXVII.—*Showing, for each Month, the Mean Values of Absolute Horizontal Intensity in English Units corrected for Instrumental Errors, and its Periodic Changes from the Mean of the Year, as obtained from the Scale Readings of Large Horizontal Force Magnetometer.*

Months, 1856.	Mean Absolute Horizontal Intensity in	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·0217	0·0049	Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter....	8·0176
February	·0211	·0043		
March	·0191	·0023		
April	·0166	− ·0002	Mean of {Apr. May, June, / July, Aug. Sept.} or Summer ..	8·0161
May.....	·0145	− ·0023		
June	·0130	− ·0038		
July.....	·0240	·0072	Mean of the year....	8·0168
August.....	·0173	·0005		
September	·0110	− ·0058	Greatest monthly mean, in July	8·0240
October	·0095	− ·0073	Least monthly mean, in October.....	8·0095
November	·0175	·0007		
December	·0168	·0000	Difference.....	0·0145

TABLE XXVIII.—*Showing, for each Month, the Mean Temperature of Air confined within the Box on the Large Horizontal Force Magnetometer, and its Periodic Changes from the Mean of the Year, as obtained by Thermometer whose Bulb is inserted in the box of the Horizontal Force Magnetometer.*

Months, 1856.	Mean Temperature of Horizontal Force Magnetometer.	Difference from the Mean of the Year.	FOR SEASONS.	
January	79°3	− 3°3	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter..	81°1
February	79·7	− 2·9		
March	83·4	0·8		
April.....	86·2	3·6	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer..	84·2
May	87·7	5·1		
June.....	84·5	1·9	Mean of the year.....	82·6
July	82·7	0·1		
August.....	82·4	− 0·2		
September	81·8	− 0·8	Greatest monthly mean, in May.....	87·7
October.....	83·3	0.7	Least monthly mean, in December.....	79·0
November.....	82·0	− 0·6		
December.....	79·0	− 3·6	Difference.....	8·7

TABLE XXIX.—*Daily Range of Horizontal Intensity, for each Day of Göttingen Mean Time, as obtained from the Scale Reading of Horizontal Force Magnetometer.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0·012	0·022		0·019	0·017		0·023	0·017	0·027	0·017		0·019
2	·010		0·013	·020	·013	0·013	·008		·015	·019	0·021	·024
3	·022	·019	·022	·018		·021	·021	·013	·022	·021	·022	·024
4	·023	·020	·017	·022	·019	·025	·022	·016	·020		·021	·042
5		·025	·019		·016	·021		·016	·022	·023	·031	·020
6	·018	·019	·022	·022	·021	·016	·016	·022		·024	·020	
7	·020	·029	·026	·027	·022		·015	·018	·018	·014	·023	·020
8	·019	·024		·024	·016	·013	·017	·023	·020	·022		·020
9	·040		·020	·020	·022	·016	·020		·033	·023	·023	·020
10	·019	·023	·017	·026		·019	·017	·021	·024	·026	·026	·020
11	·023	·028	·018	·018	·013	·017	·022	·019	·016		·021	·028
12		·015	·019		·013	·018		·021	·019	·042	·021	·025
13	·025	·017	·016	·019	·026	·021	·015	·012		·024	·021	
14	·025	·014	·032	·022	·016		·019		·021	·025	·024	·019
15	·012	·019		·022	·015	·017	·021	·023	·019	·028		·014
16	·020		·024	·021	·012	·018	·016		·015	·026	·025	·028
17	·022	·016	·027	·029		·021	·017	·018	·018	·023	·023	·026
18	·020	·024	·021	·024	·018	·020	·016	·023	·012		·028	·020
19		·022	·023		·013	·025		·015	·013	·022	0·20	·019
20	·028	·027		·018	·020	·020	·020	·022		·019	·023	
21	·019	·024		·020	·023		·019	·023	·019	·023	·019	·024
22	·016	·024		·018	·015	·015	·011	·016	·016	·025		·016
23	·025	·020	·022	·022		·019	·016		·014	·024	·012	·019
24	·026		·018	·022		·019	·019	·010	·019	·017	·019	·020
25	·023	·016	·021	·020	·021	·019	·011	·022	·023		·022	·022
26		·015	·022		·018	·015		·017	·023		·017	
27	·013	·032	·029	·020	·024	·014	·016	·013		·018	·022	
28	·023	·022	·023	·022	·021		·022	·014	·018	·017	·019	·025
29	·027	·022		·021	·024	·014	·017	·013	·023	·021	·022	·035
30	·019		·026	·021	·022	·016	·023	·021	·014	·022		·016
31	·021		·018		·020		·023			·023		·016

TABLE XXX.—*Showing the number of instances in which the Daily Range of Horizontal Force was within certain Limits.*

Daily Range of Horizontal Force.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
En. Un. En. Un.													
Greater than 0·008 and less than 0·010							1						1
„ ·010 „ ·012	1						2	1					4
„ ·012 „ ·014	3		1		5	2		4	2		1		18
„ ·014 „ ·016		3			2	4	2	2	4	1		1	19
„ ·016 „ ·018	1	3	3		4	5	9	5	2	3	1	3	39
„ ·018 „ ·020	5	3	5	6	3	6	3	3	7	3	3	4	51
„ ·020 „ ·022	4	2	3	8	5	6	4	3	3	2	7	7	54
„ ·022 „ ·024	6	5	6	7	4		6	7	4	8	8	1	62
„ ·024 „ ·026	3	5	1	2	2	2			1	5	2	5	28
„ ·026 „ ·028	2	1	3	2	1				1	2	1	1	14
„ ·028 „ ·030	1	2	1	1					1	1	1	2	10
„ ·030 „ ·040	1	1	1						1	1	1	2	8

It appears from this Table that there was only one instance in which the daily range of horizontal force was greater than 0·008 and less than 0·010; 132 days in which the daily range was greater than 0·010 and less than 0·020 En. Un.; 168 days in which it was greater than 0·020 and less than 0·030; and 8 instances in which the daily range was greater than 0·030 and less than 0·040 En. Un. The range of horizontal intensity was generally between 0·016 and 0·024 En. Un.; a fact nearly coincident with the preceding year's results.

TABLE XXXI.—*Showing the Greatest and Least Range of Horizontal Force in each Month of the Year* 1856.

Months, 1856.	Daily Range of Horizontal Force.		Difference.	The Day on which the Range of Horizontal Force was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D.	D.
January	0·040	0·010	0·030	9	2
February	·032	·014	·018	27	14
March	·032	·013	·019	14	2
April	·029	·018	·011	17	4 cases.
May	·026	·012	·014	13	16
June	·025	·013	·012	4 & 19	2 & 8
July	·022	·008	·014	3 cases.	2
August	·022	·010	·012	3 cases.	24
September	·033	·012	·021	9	18
October	·042	·014	·028	12	7
November	·031	·012	·019	5	23
December.....	·042	·014	·028	4	15

This Table shows that the times of greatest and least ranges generally occur in the first half of any month. The daily ranges were larger in Winter and smaller in Summer. The extreme difference between the greatest and least ranges is 0·034 En. Un., being the difference of the ranges of 4th December and 2nd July.

TABLE XXXII.—*Showing the Mean Monthly Range of Horizontal Force Magnetometer in Absolute Measure.*

Months, 1856.	Mean Monthly Range of Horizontal Force.	FOR SEASONS.	
	En. Un.		
January	0·021		
February	·021		En. Un.
March	·021	Mean for Winter	0·022
April	·021	Mean for Summer	0·019
May	·018		
June	·018	Mean for the year	0·020
July	·018		
August	·018	Greatest monthly mean, in October	0·023
September	·020	Least monthly mean, in July	0·018
October	·023		
November	·022	Difference	0·005
December	·022		

This Table shows that the mean monthly range was larger in Winter than in Summer.

TABLE XXXIII.—*Mean Values of Absolute Horizontal Intensity corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	8·0241	8·0238	8·0201	8·0173	8·0148	8·0144	8·0235	8·0185	8·0117	8·0086	8·0187	8·0195	4 12 P.M.
1	·0222	·0215	·0180	·0150	·0126	·0115	·0218	·0157	·0095	·0067	·0162	·0165	5 12 ,,
2	·0199	·0179	·0155	·0130	·0108	·0099	·0209	·0146	·0081	·0055	·0135	·0120	6 12 ,,
3	·0182	·0162	·0137	·0118	·0093	·0094	·0193	·0129	·0060	·0041	·0117	·0108	7 12 ,,
4	·0177	·0156	·0128	·0116	·0090	·0082	·0188	·0128	·0057	·0029	·0108	·0098	8 12 ,,
5	·0174	·0156	·0127	·0106	·0097	·0085	·0191	·0124	·0059	·0032	·0108	·0102	9 12 ,,
6	·0168	·0157	·0140	·0111	·0100	·0088	·0188	·0121	·0063	·0032	·0120	·0102	10 12 ,,
7	·0165	·0160	·0136	·0113	·0103	·0087	·0195	·0132	·0077	·0044	·0123	·0110	11 12 ,,
8	·0174	·0159	·0141	·0115	·0108	·0089	·0199	·0134	·0076	·0052	·0119	·0120	Midnight.
9	·0171	·0160	·0135	·0118	·0111	·0090	·0207	·0133	·0072	·0055	·0125	·0130	1 12 P.M.
10	·0168	·0170	·0140	·0123	·0116	·0094	·0209	·0139	·0078	·0055	·0128	·0128	2 12 ,,
11	·0170	·0164	·0141	·0131	·0110	·0091	·0210	·0141	·0082	·0053	·0129	·0128	3 12 ,,
12	·0170	·0166	·0145	·0132	·0115	·0092	·0212	·0135	·0089	·0066	·0134	·0137	4 12 ,,
13	·0176	·0167	·0145	·0133	·0120	·0098	·0212	·0141	·0088	·0061	·0135	·0142	5 12 ,,
14	·0181	·0177	·0155	·0126	·0115	·0108	·0218	·0141	·0085	·0057	·0149	·0150	6 12 ,,
15	·0178	·0182	·0159	·0139	·0129	·0126	·0234	·0144	·0077	·0072	·0163	·0153	7 12 ,,
16	·0217	·0218	·0202	·0185	·0174	·0157	·0266	·0184	·0110	·0123	·0208	·0188	8 12 ,,
17	·0259	·0272	·0257	·0244	·0210	·0183	·0302	·0222	·0162	·0177	·0255	·0228	9 12 ,,
18	·0360	·0298	·0301	·0281	·0237	·0204	·0331	·0255	·0200	·0212	·0287	·0267	10 12 ,,
19	·0328	·0326	·0314	·0290	·0250	·0222	·0335	·0272	·0217	·0223	·0298	·0279	11 12 ,,
20	·0321	·0325	·0304	·0279	·0242	·0229	·0328	·0272	·0213	·0211	·0290	·0278	Noon.
21	·0303	·0307	·0278	·0248	·0219	·0215	·0318	·0263	·0190	·0174	·0265	·0259	1 12 P.M.
22	·0287	·0284	·0250	·0226	·0197	·0191	·0298	·0241	·0170	·0152	·0239	·0237	2 12 ,,
23	·0269	·0266	·0218	·0197	·0173	·0155	·0267	·0212	·0137	·0123	·0217	·0240	3 12 ,,

TABLE XXXIV.—*Mean Temperature of the Air within the Box of Large Horizontal Force, in each Month, for each Hour of Göttingen Mean Solar and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	°	°	°	°	°	°	°	°	°	°	°	°	H. M.
Noon.	82·9	82·7	95·9	88·6	89·6	86·0	83·8	84·0	83·3	85·4	85·0	82·0	4 12 P.M.
1	81·9	81·9	85·4	88·0	89·4	85·8	83·5	83·5	82·7	84·6	83·7	81·0	5 12 „
2	80·9	81·0	84·6	87·2	88·5	85·3	83·2	83·0	82·1	84·0	83·1	80·2	6 12 „
3	80·3	80·4	84·0	86·5	87·8	84·8	82·8	82·6	81·8	83·6	82·5	79·7	7 12 „
4	79·8	80·0	83·6	86·1	87·5	84·5	82·6	82·4	81·5	83·3	81·9	79·2	8 12 „
5	78·8	79·7	83·3	85·8	87·2	84·2	82·5	82·2	81·4	82·9	81·6	78·7	9 12 „
6	78·8	79·4	83·0	85·5	86·8	84·0	82·3	82·0	81·2	82·6	81·2	78·1	10 12 „
7	78·3	79·1	82·7	85·3	86·8	83·8	82·2	81·8	81·0	82·3	80·8	77·8	11 12 „
8	78·1	78·0	82·5	85·0	86·6	83·8	82·2	81·7	80·9	82·2	80·6	77·7	Midnight.
9	77·8	78·4	82·2	84·8	86·5	83·7	82·1	81·6	80·8	82·0	80·5	77·5	1 12 A.M.
10	77·5	78·2	81·9	84·6	86·4	83·4	82·0	81·5	80·8	81·7	80·2	77·3	2 12 „
11	77·1	77·9	81·7	84·5	86·2	83·3	81·9	81·4	80·7	81·6	79·9	77·0	3 12 „
12	76·8	77·5	81·4	84·3	86·1	83·3	81·6	81·2	80·6	81·4	79·6	76·7	4 12 „
13	76·7	77·1	81·2	84·1	86·0	83·2	81·7	81·1	80·6	81·2	79·4	76·4	5 12 „
14	76·4	76·9	81·0	83·9	85·9	83·1	81·7	81·0	80·5	81·1	79·2	76·1	6 12 „
15	76·2	76·7	81·0	84·2	86·2	83·3	81·8	81·0	80·6	81·3	79·4	76·2	7 12 „
16	76·9	77·2	81·5	85·0	86·9	83·8	82·1	81·4	81·0	81·9	80·1	76·8	8 12 „
17	78·1	78·5	82·6	86·1	87·8	84·2	82·4	82·0	81·8	83·0	81·4	78·0	9 12 „
18	79·4	79·9	83·7	87·1	88·5	84·7	83·0	82·6	82·6	84·2	82·7	79·4	10 12 „
19	80·6	81·1	84·8	87·3	89·2	85·1	83·4	83·4	83·1	85·0	83·8	80·6	11 12 „
20	81·6	82·0	85·5	88·4	89·7	85·8	83·8	83·9	83·4	85·5	84·8	81·7	Noon.
21	82·3	82·5	86·1	88·8	90·0	86·1	84·1	84·2	83·7	85·8	85·4	82·4	1 P.M.
22	82·8	83·0	86·4	89·0	90·2	86·3	84·3	84·4	83·8	86·0	85·7	82·6	2 „
23	83·1	83·0	86·4	89·0	90·2	86·3	84·2	84·3	83·8	85·8	85·6	82·5	3 „

TABLE XXXV.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Solar Time about which the Mean Value of Absolute Horizontal Force in each Month was at its Maxima and Minima.*

Months, 1856.	The Mean Hourly Value of Horizontal Intensity at its						Mean Diurnal Range.	The Time at which the Mean Hourly Horizontal Intensity was at its					
	Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.		Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.	H.	H.
January	8·0165	8·0174	8·0168	8·0181	8·0178	8·0328	0·0163	7	8	10	14	15	19
February	·0156	8·0160	·0159	·0170	·0164	·0326	·0170	5	7	8	10	11	19
March	·0127	·0140	·0136	·0141	·0135	·0314	·0187	5	6	7	8	9	19
April	·0106			·0133	·0126	·0290	·0184	5			13	14	19
May	·0090	·0116	·0110	·0120	·0115	·0250	·0160	4	10	11	13	14	19
June	·0082	·0088	·0087	·0094	·0091	·0229	·0147	4	6	7	10	11	20
July	·0188	·0191	·0188			·0335	·0147	4	5	6			19
August	·0121	·0134	·0133	·0141	·0135	·0272	·0151	6	8	9	11	12	19
September	·0057	·0077	·0072	·0089	·0077	·0217	·0160	4	7	9	12	15	19
October	·0029			·0066	·0057	·0223	·0194	4			12	14	19
November	·0108	·0123	·0119			·0298	·0190	5	7	8			19
December	·0098	·0102	·0110	·0130	·0128	·0279	·0181	4	5	7	9	11	19
Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter							0·0181	5	7	8	10	12	19
Mean of {April, May, June, July, Aug. Sept.} or Summer							0·0158	4	7	8	12	13	19

TABLE XXXVI.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Time at which the Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Air within the box of Large Horizontal Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air within the Box of Large Horizontal Force was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January.....	83°1	76°2	6°9	23	15
February	83·0	76·7	6·3	23	15
March	86·4	81·0	5·4	23	15
April	89·0	83·9	5·1	22	14
May	90·2	85·9	4·3	22	14
June	86·3	83·1	3·2	22	14
July	84·3	81·6	2·7	22	12
August	84·4	81·0	3·4	22	14
September.....	83·8	80·5	3·3	22	14
October.....	86·0	81·1	4·9	22	14
November	85·7	79·2	6·5	22	14
December	82·6	76·1	6·5	22	14
Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter..			6·1	23	15
Mean of {April, May, June, July, Aug. Sept.} or Summer..			3·7	22	14

It appears from this Table that the Horizontal Force Magnet during this year reached its extreme position at its mid-day maxima. The times of maxima and minima vary according to the seasons of the year. The movements of this element consist generally of triple maxima and triple minima, but in March four maxima and minima were apparent; while in the months of April, July, October, and November two maxima and two minima were experienced. The actual changes in the movements of the magnet occur during the day-time, as will be seen from the times of maxima and minima; but during the night the march is slow and regular, or the magnet remains nearly constant. From this fact, and from the constancy of mid-day change in the Horizontal and Declination Magnetometers, it appears that the magnetism of the magnets is slightly affected by solar heat. The following are the times at which the maxima and minima of horizontal force generally occur:—

Evening minima, later in Winter and earlier in Summer,
Midnight maxima, the time of their occurrence is variable,
Midnight minima, „ „ „ „
Morning maxima, later in Summer and earlier in Winter.
Morning minima, „ „ „ „
Mid-day maxima remain nearly constant throughout the year.

TABLE XXXVII.—*Showing, for the Year* 1856, *the Mean Values of Absolute Horizontal Intensity, corrected for Instrumental Errors, for each Hour of Göttingen and Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Horizontal Intensity corrected. Winter.	Summer.	Mean.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.	En. Un.	
Noon.	4·12 P. M.	8·0191	8·0165	8·0178	0·0009
1	5 „	·0168	·0143	·0156	– ·0013
2	6 „	·0140	·0129	·0135	– ·0034
3	7 „	·0125	·0118	·0122	– ·0047
4	8 „	·0116	·0110	·0113	– ·0056
5	9 „	·0116	·0110	·0113	– ·0056
6	10 „	·0120	·0112	·0116	– ·0053
7	11 „	·0123	·0118	·0120	– ·0049
8	0·12 A. M.	·0128	·0120	·0124	– ·0045
9	1 „	·0129	·0122	·0125	– ·0044
10	2 „	·0131	·0126	·0129	– ·0040
11	3 „	·0132	·0128	·0130	– ·0039
12	4 „	·0136	·0129	·0132	– ·0037
13	5 „	·0138	·0132	·0135	– ·0034
14	6 „	·0145	·0132	·0139	– ·0030
15	7 „	·0152	·0141	·0146	– ·0023
16	8 „	·0193	·0179	·0186	·0012
17	9 „	·0241	·0220	·0230	·0061
18	10 „	·0293	·0251	·0272	·0103
19	11 „	·0311	·0264	·0288	·0119
20	0·12 P. M.	·0288	·0260	·0274	·0105
21	1 „	·0264	·0242	·0253	·0084
22	2 „	·0241	·0222	·0231	·0062
23	3 „	·0222	·0190	·0206	·0037

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13} or Night — En. Un. 8·0125

Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1} or Day — 8,0213

Mean..... 8,0169

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. T.	B. C. T.
A minimum at about	4	8 P. M.
A maximum at about	19	11 A. M.

If the mean horizontal intensity of any day is to be determined from a single observation of the Horizontal Force Magnet, the time indicated as best by this table is 0h. Göttingen time or 16h. of Göttingen time, for in that position the Magnet seems to be most identical with the mean position for the year. It differs most from the true mean at 5h. and 19h.

TABLE XXXVIII.—*Showing, for the Year* 1856, *the Mean Temperature of Air within the Box of the Large Horizontal Force Magnet, for each Hour of Göttingen and Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air within the Box of Large Horizontal Force.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4·12 P. M.	84°9	2°2
1	5 „	84·3	1·6
2	6 „	83·6	0·9
3	7 „	83·1	0·4
4	8 „	82·7	0·0
5	9 „	82·4	– 0·3
6	10 „	82·1	– 0·6
7	11 „	81·8	– 0·9
8	0·12 A. M.	81·6	– 1·1
9	1 „	81·5	– 1·2
10	2 „	81·3	– 1·4
11	3 „	81·1	– 1·6
12	4 „	80·9	– 1·8
13	5 „	80·7	– 2·0
14	6 „	80·6	– 2·1
15	7 „	80·7	– 2·0
16	8 „	81·2	– 1·5
17	9 „	82·2	– 0·5
18	10 „	83·0	0·3
19	11 „	84·0	1·3
20	0·12 P. M.	84·7	2·0
21	1 „	85·1	2·4
22	2 „	85·4	2·7
23	3 „	85·3	2·6

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13} or Night ..... 83°4

Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1} or Day..... 81·9

Mean ..... 82·7

TIMES OF MEAN MAXIMUM AND MINIMUM.

G.T. B.C.T.

A minimum at about 14 or 6 A. M.

A maximum at about 22 or 2 P. M.

TABLE XXXIX.—*Excess of the Mean Hourly Values of Horizontal Intensity, corrected for Instrumental Errors, above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	Eq. Un.	H. M.
Noon.	0·0024	0·0027	−0·0010	0·0007	0·0003	0·0004	−0·0005	0·0012	0·0005	−0·0009	0·0012	−0·0027	4 12 P.M.
1	·0095	·0004	− ·0011	− ·0016	− ·0019	− ·0015	− ·0022	− ·0016	− ·0016	− ·0028	− ·0013	− ·0003	5 12 „
2	− ·0018	− ·0032	− ·0036	− ·0034	− ·0037	− ·0031	− ·0031	− ·0027	− ·0030	− ·0040	− ·0040	− ·0048	6 12 „
3	− ·0035	− ·0049	− ·0054	− ·0048	− ·0052	− ·0026	− ·0047	− ·0044	− ·0051	− ·0054	− ·0058	− ·0060	7 12 „
4	− ·0040	− ·0055	− ·0063	− ·0050	− ·0055	− ·0048	− ·0052	− ·0045	− ·0054	− ·0066	− ·0067	− ·0070	8 12 „
5	− ·0043	− ·0055	− ·0064	− ·0060	− ·0048	− ·0045	− ·0049	− ·0049	− ·0052	− ·0063	− ·0067	− ·0066	9 12 „
6	− ·0049	− ·0054	− ·0051	− ·0055	− ·0045	− ·0042	− ·0032	− ·0052	− ·0048	− ·0063	− ·0055	− ·0066	10 12 „
7	− ·0052	− ·0051	− ·0055	− ·0053	− ·0042	− ·0043	− ·0045	− ·0041	− ·0034	− ·0051	− ·0052	− ·0058	11 12 „
8	− ·0043	− ·0052	− ·0050	− ·0051	− ·0037	− ·0041	− ·0041	− ·0039	− ·0035	− ·0043	− ·0056	− ·0048	Midnight
9	− ·0046	− ·0051	− ·0056	− ·0048	− ·0034	− ·0040	− ·0035	− ·0040	− ·0039	− ·0040	− ·0050	− ·0038	1 12 A.M.
10	− ·0049	− ·0041	− ·0051	− ·0045	− ·0029	− ·0036	− ·0031	− ·0034	− ·0033	− ·0040	− ·0047	− ·0040	2 12 „
11	− ·0047	− ·0047	− ·0050	− ·0035	− ·0035	− ·0039	− ·0030	− ·0032	− ·0029	− ·0037	− ·0046	− ·0040	3 12 „
12	− ·0047	− ·0045	− ·0046	− ·0034	− ·0030	− ·0038	− ·0028	− ·0038	− ·0022	− ·0029	− ·0041	− ·0031	4 12 „
13	− ·0041	− ·0044	− ·0046	− ·0033	− ·0025	− ·0032	− ·0028	− ·0032	− ·0023	− ·0034	− ·0040	− ·0026	5 12 „
14	− ·0036	− ·0034	− ·0036	− ·0040	− ·0030	− ·0022	− ·0022	− ·0032	− ·0026	− ·0038	− ·0026	− ·0018	6 12 „
15	− ·0039	− ·0029	− ·0032	− ·0027	− ·0016	− ·0004	− ·0006	− ·0029	− ·0034	− ·0023	− ·0012	− ·0015	7 12 „
16	·0000	·0007	·0011	·0019	·0029	·0027	·0026	·0011	·0001	·0028	·0033	·0020	8 12 „
17	·0042	·0061	·0066	·0078	·0065	·0053	·0062	·0049	·0051	·0082	·0080	·0060	9 12 „
18	·0083	·0087	·0110	·0115	·0092	·0074	·0091	·0082	·0089	·0117	·0112	·0089	10 12 „
19	·0111	·0115	·0123	·0124	·0105	·0092	·0095	·0099	·0106	·0128	·0123	·0111	11 12 „
20	·0104	·0114	·0113	·0113	·0097	·0099	·0088	·0099	·0102	·0116	·0115	·0110	Noon.
21	·0066	·0096	·0087	·0082	·0074	·0085	·0078	·0090	·0079	·0079	·0090	·0091	1 12 P.M.
22	·0070	·0073	·0059	·0060	·0052	·0061	·0058	·0068	·0059	·0057	·0064	·0071	2 12 „
23	·0052	·0055	·0027	·0031	·0028	·0025	·0027	·0039	·0026	·0028	·0042	·0072	3 12 „

TABLE XL.—*Excess of the Temperature of the Air within the Box of Large Horizontal Force Magnetometer above the Monthly Mean.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	3·6	3·0	2·5	2·3	1·9	−1·8	1·1	1·6	1·6	2·2	3·0	3·1	4 12 P.M.
1	2·6	2·3	1·9	1·8	1·6	−1·3	0·8	1·0	0·8	1·4	1·7	2·0	5 12 „
2	1·6	1·3	1·5	0·9	0·8	−0·8	0·5	0·6	0·3	0·8	1·1	1·2	6 12 „
3	1·0	0·7	0·6	9·3	0·1	−0·3	0·1	0·2	−0·1	0·3	0·5	0·7	7 12 „
4	0·5	0·3	0·2	−0·1	−0·2	0·0	−0·2	0·0	−0·3	0·0	−0·1	0·2	8 12 „
5	−0·5	0·0	−0·1	−0·4	−0·6	0·3	−0·2	−0·2	−0·5	−0·3	−0·5	−0·3	9 12 „
6	−0·5	−0·3	−0·5	−0·7	−0·8	0·5	−0·4	−0·4	−0·6	−0·7	−0·8	−0·9	10 12 „
7	−1·0	−0·6	−0·8	−1·0	−1·0	0·7	−0·4	−0·6	−0·8	−1·0	−1·2	−1·2	11 12 „
8	−1·2	−1·7	−1·0	−1·2	−1·1	0·7	−0·5	−0·8	−0·9	−1·1	−1·4	−1·3	Midnight.
9	−1·5	−1·3	−1·2	−1·4	−1·3	0·8	−0·6	−0·8	−1·0	−1·3	−1·5	−1·5	1 12 A.M.
10	−1·8	−1·5	−1·5	−1·6	−1·4	1·1	−0·7	−0·9	−1·0	−1·6	−1·8	−1·7	2 12 „
11	−2·2	−1·8	−1·8	−1·8	−1·5	1·2	−0·8	−1·1	−1·1	−1·7	−2·1	−2·0	3 12 „
12	−2·5	−2·2	−2·1	−2·0	−1·6	1·2	−0·9	−1·2	−1·2	−1·9	−2·4	−2·3	4 12 „
13	−2·6	−2·6	−2·2	−2·2	−1·8	1·3	−1·0	−1·3	−1·3	−2·0	−2·6	−2·6	5 12 „
14	−2·9	−2·8	−2·4	−2·3	−1·8	1·4	−1·0	−1·4	−1·3	−2·2	−2·8	−2·9	6 21 „
15	−3·1	−3·0	−2·4	−2·1	−1·5	1·2	−0·9	−1·4	−1·2	−2·0	−2·7	−2·8	7 12 „
16	−2·4	−2·5	−1·9	−1·2	−0·8	0·7	−0·6	−1·0	−0·9	−1·3	−1·9	−2·2	8 12 „
17	−1·2	−1·2	−0·9	−0·1	0·0	0·3	−0·3	−0·5	0·0	−0·2	−0·7	−1·0	9 12 „
18	0·1	0·2	0·3	0·8	0·8	−0·2	0·3	0·2	0·7	0·9	0·6	0·4	10 12 „
19	1·3	1·4	1·3	1·6	1·5	−0·6	0·7	1·0	1·3	1·7	1·8	1·6	11 12 „
20	2·3	2·3	2·1	2·2	2·0	−1·3	1·1	1·4	1·6	2·2	2·8	2·7	Noon.
21	3·0	2·8	2·6	2·6	2·2	−1·6	1·4	1·8	1·8	2·5	3·4	3·4	1 12 P.M.
22	3·5	3·3	2·9	2·8	2·5	−1·8	1·6	2·0	2·0	2·7	3·7	3·6	2 12 „
23	3·8	3·3	3·0	2·8	2·4	−1·8	1·5	1·9	1·9	2·6	3·6	3·5	3 21 „

TABLE XLI.—*Showing the Hours in each Month, deduced from the Hourly Means, during which the Horizontal Force Magnet was on each side of the Mean Position for that Month.*

Months. 1856.	The marked end of the Magnet was North of the Mean Position	Length of Time the marked end was North of Mean Position.	The marked end of the Magnet was South of Mean Position	Length of Time that the marked end of the Magnet was South of Mean Position.
		Hours.		Hours.
January	Between 16h. and 25h.	10	Between 2h. and 15h.	14
February	Ditto	10	Ditto	14
March	Between 16h. and 23h.	8	Between Noon and 15h.	16
April	Between 16h. and 24h.	9	Between 1h. and 15h.	15
May	Ditto	9	Ditto	15
June	Ditto	9	Ditto	15
July	Between 16h. and 23h.	8	Between 24h. and 15h.	16
August	Between 16h. and 24h.	9	Between 1h. and 15h.	15
September	Between 17h. and 24h.	8	Between 1h. and 16h.	16
October	Between 16h. and 23h.	8	Between Noon and 15h.	16
November	Between 16h. and 24h.	9	Between 1h. and 15h.	15
December	Ditto	9	Ditto	15

We see from this Table that the Horizontal Force Magnet passed its mean position twice every day. The time at which the Magnet passes the mean position occurs at 16h. Göttingen time and in the evening; but the former is nearly constant, and the latter changes in different seasons of the year. Hence it follows, that the best time to determine the mean position of the Horizontal Force Magnet is 16h., which remains nearly constant throughout the year.

TABLE XLII.—*Showing the Differences in the Mean Values of Horizontal Force between each pair of consecutive Hours in each Month, estimated positive when the Value was greater at the latter Hour.*

Bombay Civil Time.	MONTHS, 1856.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Between	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
0 and 1	-0·0019	-0·0023	-0·0001	-0·0024	-0·0022	-0·0019	-0·0017	-0·0028	-0·0021	-0·0019	-0·0025	-0·0030
1 and 2	- ·0023	- ·0036	- ·0025	- ·0023	- ·0018	·0016	- ·0009	- ·0011	- ·0014	- ·0012	- ·0027	- ·0045
2 and 3	- ·0017	- ·0017	- ·0018	- ·0018	- ·0015	·0005	- ·0016	- ·0017	- ·0021	- ·0014	- ·0018	- ·0012
3 and 4	- ·0005	- ·0006	- ·0009	- ·0014	- ·0003	- ·0022	- ·0005	- ·0001	- ·0003	- ·0012	- ·0009	- ·0010
4 and 5	- ·0003	·0000	- ·0001	- ·0002	·0007	·0003	·0003	- ·0004	·0002	·0003	·0000	·0004
5 and 6	- ·0006	·0001	·0013	- ·0010	·0003	·0003	·0003	- ·0003	·0004	·0000	·0012	·0000
6 and 7	- ·0003	·0003	- ·0004	·0005	·0003	- ·0001	·0007	·0011	·0014	·0012	·0003	·0008
7 and 8	·0009	- ·0001	·0005	·0002	·0005	·0002	·0004	·0002	- ·0001	·0008	- ·0004	·0010
8 and 9	- ·0003	·0001	- ·0006	·0002	·0003	·0001	·0006	- ·0001	- ·0004	·0003	·0006	·0010
9 and 10	- ·0003	·0010	·0005	·0003	·0005	·0004	·0004	·0006	·0006	·0000	·0003	- ·0002
10 and 11	·0002	- ·0006	·0001	·0003	- ·0006	·0003	·0001	·0002	·0004	·0003	·0001	·0000
11 and 12	·0000	·0002	·0004	·0010	·0005	·0001	·0002	- ·0006	·0007	·0008	·0005	·0009
12 and 13	·0006	·0001	·0000	·0001	·0005	·0006	·0000	·0006	- ·0001	- ·0005	·0001	·0005
13 and 14	·0005	·0010	·0010	·0001	- ·0005	·0010	·0006	·0000	- ·0003	- ·0004	·0014	·0008
14 and 15	- ·0003	·0005	·0004	- ·0007	·0014	·0018	·0016	·0003	- ·0008	·0015	·0014	·0003
15 and 16	·0039	·0036	·0043	·0013	·0045	·0031	·0032	·0040	·0031	·0051	·0045	·0035
16 and 17	·0042	·0054	·0055	·0046	·0036	·0026	·0036	·0038	·0052	·0054	·0047	·0040
17 and 18	·0039	·0026	·0044	·0059	·0027	·0021	·0029	·0033	·0038	·0035	·0042	·0029
18 and 19	·0028	·0028	·0013	·0005	·0013	·0018	·0004	·0017	·0017	·0011	·0011	·0022
19 and 20	- ·0007	- ·0001	- ·0010	- ·0011	- ·0008	·0007	- ·0007	·0000	- ·0004	- ·0012	- ·0008	- ·0001
20 and 21	- ·0038	- ·0018	- ·0026	- ·0032	- ·0023	- ·0014	- ·0010	- ·0009	- ·0023	- ·0037	- ·0025	- ·0019
21 and 22	·0004	- ·0023	- ·0028	- ·0022	- ·0022	- ·0024	- ·0020	- ·0022	- ·0020	- ·0022	- ·0026	- ·0020
22 and 23	- ·0018	- ·0018	- ·0032	- ·0029	- ·0024	- ·0036	- ·0031	- ·0029	- ·0033	- ·0029	- ·0022	·0001
23 and 24	- ·0028	- ·0028	- ·0017	- ·0024	- ·0025	- ·0021	- ·0032	- ·0027	- ·0021	- ·0019	- ·0030	- ·0047

TABLE XLIII.—*This Table is formed by taking the Means of the Numbers in the preceding Table, without regard to their Signs.*

Between what Hours.	Amount of Difference of Mean Position in Summer.	Character of Changes in Summer.	Amount of Difference of Mean Position in Winter.	Character of Changes in Winter.
	En. Un.		En. Un.	
Noon and 1	0·0022	Falling, except in April.	0·0019	Generally falling.
1 and 2	·0015	Falling, except in June.	·0028	,, ,,
2 and 3	·0015	,, ,, ,,	·0016	,, ,,
3 and 4	·0008	Generally falling.	·0008	,, ,,
4 and 5	·0003	Rising, except in April and August.	·0002	Rising, except in January and March.
5 and 6	·0004	,, ,, ,, ,,	·0005	Rising, except in January.
6 and 7	·0007	Rising, except in June.	·0005	Rising, except in January and March.
7 and 8	·0003	Rising, except in September.	·0006	Rising, except in February and November.
8 and 9	·0003	Rising, except in August and September.	·0005	Rising, except in January and March.
9 and 10	·0005	Generally rising.	·0004	Rising, except in December and January.
10 and 11	·0003	Rising, except in May.	·0002	Rising, except in February.
11 and 12	·0005	Rising, except in August.	·0005	Generally rising.
12 and 13	·0003	Rising, except in September.	·0003	Rising, except in October.
13 and 14	·0004	Rising, except in May and September.	·0008	,, ,, ,,
14 and 15	·0011	Rising, except in April and September.	·0007	Rising, except in January and October.
15 and 16	·0032	Generally rising.	·0042	Generally rising.
16 and 17	·0039	,, ,,	·0049	,, ,,
17 and 18	·0035	,, ,,	·0036	,, ,,
18 and 19	·0012	,, ,,	·0019	,, ,,
19 and 20	·0006	Falling, except in June and August.	·0007	Generally falling.
20 and 21	·0015	Generally falling.	·0028	,, ,,
21 and 22	.0023	,, ,,	·0020	Falling, except in January.
22 and 23	·0030	,, ,,	·0020	Falling, except in December.
23 and 24	·0025	,, ,,	·0028	Generally falling.

TABLE XLIV.—*Mean Hourly Values of Absolute Horizontal Intensity, diminished by the Monthly Mean, and the Mean Hourly Change for each Hour of Göttingen Mean Solar Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	0·0015	0·0018	-0·0019	-0·0002	-0·0006	-0·0005	-0·0914	-0·0003	-0·0004	-0·0018	0·0003	0·0018	4 12 P.M.
1	·0018	·0017	·0002	- ·0003	- ·0006	- ·0002	- ·0009	- ·0003	- ·0003	- ·0015	·0000	·0010	5 12 ,,
2	·0016	·0002	- ·0002	·0000	- ·0003	·0003	·0003	·0007	·0004	- ·0006	- ·0006	- ·0014	6 12 ,,
3	·0012	- ·0002	- ·0007	- ·0001	- ·0005	·0021	·0000	·0003	- ·0004	- ·0007	- ·0011	- ·0013	7 12 ,,
4	·0016	.0001	- ·0007	·0006	·0001	·0008	·0004	·0011	·0002	- ·0010	- ·0011	- ·0014	8 12 ,,
5	·0013	·0001	- ·0008	- ·0004	·0008	·0011	·0007	·0007	* ·0004	- ·0007	- ·0011	- ·0010	9 12 ,,
6	·0004	- ·0001	- ·0002	- ·0002	·0008	·0011	·0001	·0001	·0005	- ·0010	- ·0002	- ·0013	10 12 ,,
7	- ·0003	- ·0002	- ·0006	- ·0004	·0007	·0006	·0004	·0008	·0015	- ·0002	- ·0003	- ·0009	11 12 ,,
8	·0002	- ·0007	- ·0005	- ·0006	·0008	·0004	·0004	·0006	·0010	·0002	- ·0011	- ·0003	Midnight.
9	- ·0002	- ·0007	- ·0012	- ·0004	·0010	·0004	·0009	·0004	·0005	·0004	- ·0006	·0006	1 12 A.M.
10	- .4009	- ·0001	- ·0011	- ·0005	·0011	·0004	·0009	·0006	·0007	·0000	- ·0007	·0000	2 12 ,,
11	- ·0008	- ·0008	- ·0011	·0004	·0004	·0000	·0009	·0007	·0010	·0002	- ·0007	- ·0001	3 12 ,,
12	- ·0010	- ·0008	- ·0009	·0003	·0007	- ·0001	·0009	- ·0001	·0015	·0008	- ·0004	·0006	4 12 ,,
13	- ·0007	- ·0010	- ·0012	·0001	·0009	·0002	·0006	·0002	·0011	·0000	- ·0006	·0008	5 12 ,,
14	- ·0006	- ·0004	- ·0006	- ·0010	- ·0000	·0008	·0008	- ·0002	·0014	- ·0008	·0004	·0012	6 12 ,,
15	- ·0016	- ·0006	- ·0009	- ·0004	+·0007	·0019	·0017	- ·0006	- ·0011	·0000	·0011	·0008	7 12 ,,
16	- ·0017	- ·0010	- ·0006	·0002	·0012	·0010	·0009	- ·0006	- ·0018	·0011	·0016	·0003	8 12 ,,
17	- ·0019	·0000	·0005	·0017	·0004	- ·0008	·0001	- ·0012	- ·0010	·0021	·0019	- ·0001	9 12 ,,
18	- ·0020	- ·0016	·0007	·0012	- ·0011	- ·0029	- ·0012	- ·0021	- ·0014	·0014	·0009	- ·0014	10 12 ,,
19	- ·0008	- ·0004	·0004	·0005	- ·0014	- ·0027	- ·0024	- ·0020	- ·0013	·0009	·0004	- ·0008	11 12 ,,
20	- ·0001	·0009	·0008	·0008	- ·0008	- ·0006	- ·0017	- ·0006	- ·0003	·0011	·0010	·0005	Noon.
21	- ·0018	·0012	·0003	- ·0002	- ·0010	·0001	- ·0006	·0006	- ·0005	- ·0005	·0006	·0007	1 P. M.
22	·0008	·0011	- ·0003	- ·0002	- ·0010	- ·0001	- ·0004	·0006	- ·0003	- ·0005	·0002	·0009	2 ,,
23	·0015	·0018	- ·0010	- ·0006	- ·0009	- ·0012	- ·0010	·0002	- ·0011	- ·0007	·0005	·0035	3 ,,

The order of signs is not uniform in this Table, which shows that the changes in the absolute horizontal force are not regular, but they vary according to the different seasons of the year.

TABLE XLV.—*Showing, for each Month, the Mean Diurnal Inequality of the Absolute Values of Horizontal Force, without regard to the signs of Numbers in the preceding Table XLIV.*

Months, 1856.	Monthly Sums.	Mean Diurnal Inequality.	FOR SEASONS.
	En. Un.	En. Un.	
January	0·0263	0·0011	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.. En. Un. 0·0008
February	·0175	·0007	
March	·0173	·0007	
April	·0113	·0005	Mean of {April, May, June, July, Aug. Sept.} or Summer. 0·0007
May	·0178	·0007	
June	·0203	·0008	Mean of the year.... 0·0008
July	·0196	·0008	
August	·0156	·0006	
September	·0211	·0009	Greatest monthly mean, in January..... 0·0011
October	·0184	·0008	Least monthly mean, in April .. .. 0·0005
November	·0174	·0007	
December	·0227	·0009	Difference.... 0·0006

TABLE XLVI.—*Showing, for the Year* 1856, *the Mean Diurnal Inequality for each Hour of Göttingen Mean Time; and the Hourly Sums, without regard to the signs of Numbers in Table XLIV.*

Göttingen Mean Time.	Bombay Civil Time.	Hourly Sums of Numbers in Table XLIV.	Mean Diurnal Inequality.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4·12 P. M.	0·0125	0·0010	
1	5 „	·0088	·0007	
2	6 „	·0066	·0005	
3	7 „	·0086	·0007	
4	8 „	·0091	·0008	
5	9 „	·0091	·0008	Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13} or Night ..... En. Un. 0·0006
6	10 „	·0060	·0005	
7	11 „	·0069	·0006	
8	0·12 A. M.	·0068	·0006	
9	1 „	·0073	·0006	
10	2 „	·0070	·0006	Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1} or Day ..... 0·0009
11	3 „	·0071	·0006	
12	4 „	·0081	·0007	Mean..... 0·0008
13	5 „	·0074	·0006	
14	6 „	·0082	·0007	
15	7 „	·0114	·0009	
16	8 „	·0120	·0010	TIMES OF GREATEST AND LEAST INEQUALITY.
17	9 „	·0107	·0009	
18	10 „	·0179	·0015	G. M. T. B. C. T.
19	11 „	·0140	·0012	Greatest inequality at 18 or 10 A. M.
20	0·12 P. M.	·0092	·0008	Least inequality at 6 or 10 P. M.
21	1 „	·0083	·0007	
22	2 „	·0065	·0005	
23	3 „	·0142	·0012	

It was thought necessary to correct the values obtained from the scale readings of Horizontal Force Magnetometer for the effects of external and free air.

The correction was determined by the method described in the volume for 1848. The formula for correcting the horizontal intensity obtained from the scale readings of light horizontal force is

$$C = -0{\cdot}0018\ (t^\circ - 80),$$

in which t° denotes the temperature of circumambient air.

TABLE XLVII.—*Mean Temperature of External and Free Air, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°7	74°0		84°9	86°5		77°3	79°9	80°8	81°6		76°3
2	76·7		80°1	85·1	86·2	79°3	78·1		81·2	81·4	80°7	75·9
3	77·0	73·6	80·4	83·6		80·4	80·0	80·9	81·6	82·2	82·2	75·1
4	76·3	74·2	80·3	83·1	86·0	81·8	80·0	80·0	81·3		81·3	76·1
5		75·3	80·3		86·2	77·8		79·5	81·5	84·0	81·6	76·3
6	76·2	77·4	82·2	83·8	86·1	80·5	83·1	80·2		84·4	82·1	
7	77·9	77·5	81·5	82·9	86·3		83·8	80·8	81·2	83·7	81·7	75·0
8	77·1	76·4		83·2	86·3	80·0	83·2	80·3	80·7	82·9		72·5
9	77·1		80·5	83·7	86·5	79·1	82·6		81·4	83·7	81·6	75·4
10	77·6	76·3	81·1	83·9		81·6	83·7	81·1	81·7	82·9	79·5	77·5
11	77·3	76·8	81·3	84·8	85·7	84·3	82·5	80·8	80·1		79·3	79·7
12		77·3	81·3		86·0	84·8		81·2	78·9	80·9	79·4	78·8
13	76·4	76·1	84·2	84·9	86·4	85·1	80·5	82·4		80·4	78·4	
14	76·5	76·4	84·0	84·6	86·8		80·1		80·2	80·8	78·0	77·3
15	75·7	76·3		84·1	86·7	84·2	81·8	81·3	81·1	80·0		74·0
16	76·1		82·3	84·1	86·4	83·7	82·7		79·3	80·4	77·6	73·6
17	74·5	77·8	83·8	84·8		84·3	81·7	80·4	80·8	81·7	78·3	75·4
18	75·4	78·5	82·0	85·7	86·0	85·2	81·8	80·7	77·5		78·0	75·5
19		80·7	79·4		87·0	85·2		79·9	75·0	80·0	78·5	74·8
20	77·6	80·1		85·2	86·6	86·0	82·9	80·8		78·6	77·0	
21	77·8	80·9		84·6	85·0		83·1	80·8	76·4	78·9	75·7	75·2
22	77·6	79·8		85·1	87·5	86·0	82·1	80·8	78·4	79·3		77·0
23	77·0	77·5	81·2	85·1		85·4	78·1		79·1	78·5	75·9	76·6
24	76·9		80·8	86·1		84·8	78·9		79·7	78·7	77·5	74·5
25	76·3	76·4	80·0	85·9	87·8	83·8	79·4	82·0	80·5		80·6	73·7
26		77·5	81·2		85·7	81·0		82·1	81·5		79·9	
27	75·2	77·2	82·0	85·4	85·1	83·4	79·5	80·6		80·6	78·2	
28	74·3	77·4	83·3	85·6	85·9		79·7	79·8	80·3	80·6	75·9	74·1
29	74·1	79·4		86·7	85·9	83·4	79·4	80·4	79·9	79·3	75·6	73·5
30	74·4		81·6	86·2	84·1	80·1	81·2	78·4	80·8	78·6		73·2
31	73·6		82·8		83·1		80·7			80·1		72·5

TABLE XLVIII.—*Showing, for each Month, the Mean Temperature of External Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Temperature of External and Free Air.	Difference from the Mean of the Year.
January	76°3	−4°2
February	77·2	−3·3
March	81·6	1·1
April	84·7	4·2
May.....	86·1	5·6
June.....	82·8	2·3
July.....	81·1	0·6
August.....	80·6	0·1
September	80·0	−0.5
October	80·9	0·4
November	79·0	−1·5
December.....	75·4	−5·1

FOR SEASONS.	
Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter	78°4
Mean of { Apr. May, June, / July, Aug. Sept. } or Summer....	82·5
Mean of the year	80·5
Least monthly mean, in December	75·4
Greatest monthly mean, in May	86·1
Difference.....	10·7

TABLE XLIX.—*Mean Temperature of External Air in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	83°1	83°1	86°7	90°0	90°2	85°8	82°5	83°3	82°9	85°7	85°0	81°5	4 12 P.M.
1	80·9	81·9	85·3	87·7	88·1	84·6	81·8	82·1	81·3	83·7	81·9	78·7	5 12 „
2	78·3	78·8	82·5	85·0	85·8	83·1	81·3	80·7	80·0	81·7	80·0	77·0	6 12 „
3	77·1	77·4	81·2	83·6	84·5	82·1	80·6	80·0	79·3	81·0	79·2	76·2	7 12 „
4	76·3	76·9	80·5	83·0	83·9	81·5	80·3	79·9	78·9	80·4	78·7	75·4	8 12 „
5	75·4	76·4	80·0	82·7	83·5	81·6	80·3	79·7	78·8	80·1	77·8	74·2	9 12 „
6	74·5	75·5	79·4	82·2	83·3	81·3	80·0	79·4	78·3	79·2	76·6	73·0	10 12 „
7	73·5	75·0	78·8	81·9	83·2	81·2	80·1	79·0	78·2	78·3	75·7	72·4	11 12 „
8	73·2	74·4	78·6	81·5	83·0	81·1	80·0	78·9	78·0	78·0	75·5	72·2	Midnight.
9	72·6	73·9	78·5	81·0	82·8	81·0	79·5	78·8	77·8	77·7	75·1	72·0	1 12 A.M.
10	72·0	73·6	78·1	80·6	82·5	80·5	79·3	78·6	77·7	77·3	74·7	71·6	2 12 „
11	71·7	73·0	77·4	80·2	82·3	80·6	79·4	78·4	77·5	77·2	74·4	71·2	3 12 „
12	71·4	72·4	76·9	79·7	82·1	80·4	79·3	78·1	77·3	77·0	74·2	70·7	4 12 „
13	71·5	71·5	76·7	79·4	81·9	80·2	79·4	78·0	77·3	76·6	74·0	70·3	5 12 „
14	70·8	71·2	76·5	79·5	82·3	80·4	79·5	77·9	77·3	76·5	73·8	69·9	6 12 „
15	71·0	72·0	77·1	82·3	84·4	81·4	80·0	79·7	78·3	78·0	74·8	70·4	7 12 „
16	73·4	74·9	80·4	85·2	86·6	82·8	80·9	79·8	79·3	80·2	77·4	73·2	8 12 „
17	75·6	77·4	83·0	87·0	88·5	83·6	81·5	80·9	81·4	81·8	79·4	75·6	9 12 „
18	77·7	79·6	84·5	88·2	89·3	84·5	82·5	82·0	82·5	83·1	81·3	77·5	10 12 „
19	79·6	81·2	85·6	89·4	90·5	85·2	82·9	83·4	83·1	84·3	83·2	79·3	11 12 „
20	81·6	82·5	86·7	90·3	91·4	86·0	83·5	84·1	83·5	85·2	84·9	81·1	Noon.
21	82·8	83·2	87·4	91·0	91·8	86·4	83·8	84·3	83·7	85·9	85·9	82·2	1 12 P.M.
22	83·8	83·8	87·7	91·3	92·1	86·6	83·8	84·6	84·2	86·4	86·3	82·8	2 12 „
23	83·8	83·9	87·6	91·0	91·6	86·3	83·6	84·4	84·1	86·5	85·9	82·1	3 12 „

TABLE L.—*Showing, for the Year 1856, the Mean Temperature of External and Free Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Temperature of External and Free Air.			Difference from the Mean of the Whole.
		Summer.	Winter.	Mean.	
	H. M.				
Noon.	4 12 P. M.	85°8	84°2	85°0	4°2
1	5 „	84·3	82·0	83·1	2·3
2	6 „	82·7	79·7	81·2	0·4
3	7 „	81·7	78·8	80·2	−0·6
4	8 „	81·2	78·0	79·6	−1·2
5	9 „	81·1	77·3	79·2	−1·6
6	10 „	80·8	76·4	78·6	−2·2
7	11 „	80·6	75·6	78·1	−2·7
8	0 12 A. M.	80·4	75·3	77·8	−3·0
9	1 „	80·2	75·0	77·6	−3·2
10	2 „	79·9	74·5	77·2	−3·6
11	3 „	78·1	74·1	76·1	−4·7
12	4 „	79·5	73·8	76·6	−4·2
13	5 „	79·4	73·4	76·4	−4·4
14	6 „	79·5	73·1	76·3	−4·5
15	7 „	80·8	73·9	77·3	−3·5
16	8 „	82·4	76·6	79·5	−1·3
17	9 „	83·8	78·8	81·3	0·5
18	10 „	84·8	80·6	82·7	1·9
19	11 „	85·8	82·2	84·0	3·2
20	0 12 P. M.	86·5	83·7	85·1	4·3
21	1 „	86·9	84·6	85·7	4·9
22	2 „	87·1	85·0	86·0	5·2
23	3 „	86·8	85·0	85·9	5·1

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13} or Night.. 78°2

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, Noon, 1} or Day.... 82·6

Mean ..... 80·8

TIMES OF MEAN MAXIMUM AND MINIMUM.

In Summer. B. C. T.

A maximum at 22h. or 2 P. M.
A minimum at 11h. or 3 A. M.

In Winter.

A maximum at 22h. or 2 P. M.
A minimum at 14h. or 6 A. M.

TABLE LI.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Time at which the Mean Temperature of External and Free Air in each Month was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	83°8	70°8	13°0	23	14
February.....	83·9	71·2	12·7	23	14
March	87·7	76·5	11·2	22	14
April	94·3	79·4	11·9	22	13
May.....	92·1	81·9	10·2	22	13
June.....	86·6	80·2	6·4	22	13
July.....	83·8	79·3	4·5	22	10 & 12
August.... ...	84·6	77·9	6·7	22	14
September	84·2	77·3	6·9	22	13
October	86·5	76·5	10·0	23	14
November	86·3	73·8	12·5	22	14
December.....	82·8	69·9	12·9	22	14
Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ..			12·0	22 or 23	14
Mean of { Apr. May, June, / July, Aug. Sept. } or Summer..			7·8	22	13

TABLE LII.—*Excess of the Mean Temperature of External and Free Air above the Monthly Mean.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	6°8	5°9	5°1	5°3	4°1	-2°9	1°4	2°7	2°8	4°8	6°0	6°1	4 12 P. M.
1	4·5	4·6	3·8	2·9	2·0	-1·8	0·7	1·4	1·2	2·8	3·0	3·3	5 12 ,,
2	2·0	1·2	0·9	0·3	-0·2	-0·3	0·2	0·1	-0·1	0·8	1·0	1·5	6 12 ,,
3	0·8	0·2	-0·3	-1·2	-1·5	0·8	-0·5	-0·5	-0·8	0·1	0·3	0·8	7 12 ,,
4	0·0	-0·3	-1·0	-1·8	-2·1	1·3	-0·8	-0·7	-1·2	-0·5	-0·3	0·0	8 12 ,,
5	-0·9	-0·8	-1·5	-2·1	-2·6	1·3	-0·8	-0·9	-1·3	-0·9	-1·2	-1·2	9 12 ,,
6	-1·9	-1·7	-2·1	-2·5	-2·7	1·6	-1·1	-1·2	-1·7	-1·7	-2·4	-2·4	10 12 ,,
7	-2·8	-2·3	-2·7	-2·8	-2·9	1·6	-1·0	-1·6	-1·9	-2·6	-3·3	-3·0	11 12 ,,
8	-3·1	-2·9	-2·9	-3·3	-3·1	1·7	-1·1	-1·8	-2·1	-2·9	-3·5	-3·2	Midnight.
9	-3·7	-3·3	-3·1	-3·7	-3·3	1·8	-1·6	-1·8	-2·2	-3·2	-3·9	-3·4	1 12 A. M.
10	-4·3	-3·7	-3·5	-4·1	-3·5	2·3	-1·8	-2·0	-2·3	-3·6	-4·3	-3·9	2 12 ,,
11	-4·6	-4·2	-2·4	-4·6	-3·7	2·3	-1·7	-2·2	-2·5	-3·7	-4·5	-4·2	3 12 ,,
12	-4·9	-4·8	-4·6	-5·0	-3·9	2·5	1·8	-2·5	-2·7	-3·9	-4·8	-4·7	4 12 ,,
13	-4·8	-5·7	-4·9	-5·4	-4·2	2·7	1·7	-2·6	-2·7	-4·3	-4·9	-5·2	5 12 ,,
14	-5·5	-6·0	-5·1	-5·2	-3·8	2·5	-1·6	-2·8	-2·8	-4·4	-5·2	-5·5	6 12 ,,
15	-5·3	-5·3	-4·4	-2·5	-1·6	1·5	-1·4	-2·0	-1·8	-2·9	-4·2	-5·0	7 12 ,,
16	-2·9	-2·4	-1·1	0·5	0·6	0·1	-0·3	-0·8	-0·7	-0·7	-1·6	-2·2	8 12 ,,
17	-0·7	0·2	1·4	2·3	2·4	-0·8	0·3	0·2	1·3	0·9	0·4	0·2	9 12 ,,
18	1·4	2·4	3·0	3·5	3·2	-1·6	1·4	1·4	2·5	2·8	2·4	2·1	10 12 ,,
19	3·3	4·0	4·0	4·7	4·5	2·3	1·8	3·4	3·1	3·3	4·3	3·9	11 12 ,,
20	5·3	5·3	5·1	5·6	5·4	3·1	2·3	4·6	3·5	4·3	5·9	5·7	Noon.
21	6·5	6·0	5·8	6·2	5·7	3·5	2·7	3·6	3·7	5·0	6·9	6·7	1 12 P. M.
22	6·7	4·6	6·2	6·6	6·0	3·8	2·7	4·0	4·1	5·5	7·3	7·3	2 12 ,,
23	7·5	4·7	6·1	6·2	5·5	3·4	2·5	3·8	4·1	5·6	6·9	6·7	3 12 ,,

TABLE LIII.—*Mean Value of Absolute Horizontal Intensity, corrected for the effects of circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	8·0293	8·0323		8·0124	8·0016		8·0218	8·0216	8·0100	8·0052		8·0237
2	·0308		8·0220	·0117	·0023	8·0108	·0186		·0111	·0058	8·0135	·0276
3	·0344	·0374	·0181	·0122		·0093	·0195	·0199	·0098	·0091	·0082	·0252
4	·0342	·0384	·0209	·0137	·0071	·0043	·0191	·0167	·0103		·0125	·0145
5		·0395	·0193		·0058	·0107		·0187	·0130	7·9972	·0077	·0213
6	·0328	·0317	·0134	·0118	·0075	·0079	·0158	·0180		·9993	·0098	
7	·0371	·0258	·0183	·0152	·0078		·0138	·0170	·0141	8·0020	·0098	·0255
8	·0309	·0313		·0133	·0069	·0073	·0130	·0193	·0112	·0068		·0261
9	·0356		·0160	·0125	·0071	·0076	·0160		·0061	·0015	·0145	·0277
10	·0338	·0303	·0175	·0126		·0038	·0147	·0194	·0103	·0067	·0183	·0158
11	·0265	·0259	·0167	·0099	·0056	7·9987	·0173	·0137	·0148		·0176	·0142
12		·0238	·0176		·0047	·9997		·0164	·0172	*7·9993	·0191	·0217
13	·0188	·0257	·0150	·0101	·0081	8·0025	·0221	·0159		8·0075	·0219	
14	·0182	·0233	·0139	·0105	7·9995		·0220		·0151	·0080	·0244	·0226
15	·0179	·0262		·0072	·9982	·0072	·0199	·0166	·0132	·0103		·0274
16	·0220		·0114	·0090	·9987	·0101	·0206		·0103	·0108	·0216	·0297
17	·0241	·0263	·0137	·0101		·0033	·0189	·0173	·0067	7·9994	·0219	·0222
18	·0198	·0247	·0119	·0058	8·0055	·0043	·0117	·0199	·0123		·0229	·0224
19		·0249	·0152		·0030	·0080		·0180	·0166	8·0141	·0183	·0266
20	·0194	·0205		·0098	·0048	·0060	·0224	·0176		·0096	·0214	
21	·0168	·0180		·0112	·0077		·0200	·0152	·0159	·0115	·0224	·0279
22	·0170	·0231		·0024	·0021	·0096	·0186	·0088	·0133	·0057		·0233
23	·0204	·0240	·0163	·0009		·0113	·0221		·0099	·0046	·0263	·0250
24	·0318		·0179	·0037		·0105	·0232	*·0024	·0103	·0085	·0217	·0240
25	·0373	·0238	·0208	·0051	·0055	·0126	·0221	·0077	·0109		·0197	·0261
26		·0135	·0189		·0086	·0079		·0116	·0023		·0205	
27	·0382	·0097	·0064	·0071	·0058	·0117	·0221	·0155		·0120	·0207	
28	·0372	·0139	·0145	·0052	·0025		·0219	·0162	·0085	·0117	·0237	·0244
29	·0373	·0134		·0042	·0024	·0134	·0220	·0143	·0081	·0128	·0209	*·0164
30	·0378		·0129	·0014	·0055	·0164	·0204	·0161	·0075	·0170		·0245
31	·0333		·0150		·0058		·0188			·0153		·0269

* Abnormal days.

TABLE LIV.—*Showing the Number of Instances in which the Difference between the Mean Daily Values of Horizontal Force, corrected for the effects of Air, was within certain Limits.*

Difference between the Mean Daily Values of Horizontal Intensity.			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
En. Un.		En Un.													
Greater than 0·0000	and less than	0·0010	9	5	2	5	9	3	8	7	6	4	5	3	66
,, ·0010	,,	·0020	3	7	9	9	5	5	6	5	4	5	4	7	69
,, ·0020	,,	·0030	2	4	7	6	2	5	6	6	6	2	6	4	56
,, ·0030	,,	·0040	2	1	1	1	6	5	3	3	2	3	4	3	34
,, ·0040	,,	·0050	5	4	3	3	1	2	2		4	2	5	3	34
,, ·0050	,,	·0060	1	3			1	4	1	2	1	5	1		19
,, ·0060	,,	·0070	2				1	1		2	2			1	9
,, ·0070	,,	·0080	1	1										2	4
,, ·0080	,,	·0100			1	1	1				1			2	6
,, ·0100	,,	·0120	1						1			1		1	4
,, ·0120	,,	·0140			1							2			3
,, ·0140	,,	·0160										1			1
,, ·0160	,,	·0190										1			1

TABLE LV.—*Showing the Greatest and Least Difference between the Daily Means of Two Consecutive Days in each Month of the Table LIII.*

Months, 1856.	Difference between the Daily Means of Two Consecutive Days.		Difference.	The Day on which the Difference was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	Between	Between
January	0·0114	0·0001	0·0113	23 & 24	28 & 29
February	·0078	·0001	·0077	5 & 6	15 & 17
March	·0125	·0008	·0117	26 & 27	10 & 11
April	·0088	·0001	·0087	21 & 22	9 & 11
May.....	·0086	·0001	·0085	13 & 14	28 & 29
June.....	·0068	·0003	·0065	16 & 17	8 & 9
July.....	·0107	.0000	·0107	18 & 20	25 & 27
August.....	·0064	·0001	·0063	21 & 22	8 & 10
September	·0086	·0004	·0082	25 & 26	23 & 24 28 & 29
October	·0182	·0001	·0181	12 & 13	5 & 6
November	·0053	·0000	·0053	2 & 3	6 & 7
December.....	·0119	·0002	·0117	9 & 10	17 & 18

TABLE LVI.—*Showing the Greatest and Least Mean Daily Values of Horizontal Force, corrected for Temperature of Air, in each Month of the Year* 1856.

Months, 1856.	Mean Daily Value of Horizontal Force.		Difference.	The Day on which the mean Value was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D.	D.
January	8·0382	8·0168	0·0214	27	21
February	8·0395	8·0097	0·0298	5	27
March	8·0220	8·0064	0·0156	2	27
April	8·0152	8·0009	0·0143	7	23
May.....	8·0086	7·9982	0·0104	26	15
June.....	8·0164	7·9987	0·0177	30	11
July.....	8·0232	8·0117	0·0115	24	18
August.....	8·0215	8·0024	0·0192	1	24
September	8·0172	8·0023	0·0149	12	26
October	8·0170	7·9972	0·0198	30	5
November	8·0263	8·0077	0·0186	23	5
December	8·0297	8·0142	0·0155	16	11

TABLE LVII.—*Showing, for each Month, the Mean Values of Absolute Horizontal Intensity, corrected for the effects of Circumambient Air, and its Periodic Changes from the Mean of the Year, as obtained from Large Horizontal Force corrected.*

Months, 1856.	Mean Value of Horizontal Force corrected for the Temperature of Circumambient Air.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	
January	8·0273	0·0114	
February	·0255	·0096	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter.... 8·0201
March	·0164	·0005	
April	·0086	– ·0073	
May	·0041	– ·0118	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer.. 8·0117
June	·0082	– ·0077	
July	·0221	·0062	Mean of the year .... 8·0159
August	·0163	·0004	
September	·0110	– ·0049	Greatest monthly mean, in January ..... 8·0273
October	·0079	– ·0080	Least monthly mean, in May ..... 8·0041
November	·0192	·0033	
December.....	·0243	·0084	Difference..... 8.0232

TABLE LVIII.—*Mean Value of Absolute Horizontal Intensity, corrected for the effects of Circumambient Air, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	8·0188	8·0185	8·0087	8·0003	7·9975	8·0035	8·0192	8·0129	8·0068	7·9989	8·0102	8·0169	4 12 P. M.
1	·0207	·0183	·0090	·0019	7·9988	·0037	·0187	·0121	·0075	8·0004	·0130	·0185	5 12 „
2	·0228	·0199	·0112	·0045	8·0009	·0046	·0187	·0134	·0081	·0026	·0135	·0171	6 12 „
3	·0231	·0206	·0117	·0057	·0016	·0058	·0183	·0129	·0072	·0024	·0131	·0173	7 12 „
4	·0240	·0209	·0119	·0065	·0024	·0046	·0183	·0130	·0076	·0022	·0130	·0176	8 12 „
5	·0249	·0217	·0127	·0060	·0037	·0058	·0196	·0129	·0079	·0030	·0145	·0201	9 12 „
6	·0262	·0234	·0150	·0074	·0044	·0066	·0188	·0131	·0092	·0046	·0178	·0221	10 12 „
7	·0276	·0245	·0156	·0081	·0049	·0067	·0193	·0149	·0108	·0071	·0196	·0239	11 12 „
8	·0290	·0254	·0165	·0089	·0057	·0070	·0199	·0153	·0110	·0086	·0196	·0253	Midnight.
9	·0297	·0264	·0161	·0101	·0063	·0073	·0216	·0153	·0109	·0094	·0212	·0266	1 12 A. M.
10	·0304	·0279	·0172	·0113	·0071	·0085	·0221	·0163	·0117	·0101	·0218	·0271	2 12 „
11	·0311	·0283	·0185	·0128	·0071	·0081	·2220	·0168	·0125	·0108	·0224	·0278	3 12 „
12	·0316	·0295	·0198	·0137	·0079	·0085	·0224	·0167	·0135	·0117	·0233	·0295	4 12 „
13	·0321	·0292	·0201	·0043	·0088	·0095	·0222	·0175	·0134	·0119	·0237	·0307	5 12 „
14	·0337	·0327	·0215	·0135	·0076	·0101	·0227	·0177	·0131	·0117	·0254	·0322	6 12 „
15	·0331	·0318	·0218	·0100	·0054	·0102	·0234	·0166	·0106	·0106	·0251	·0316	7 12 „
16	·0329	·0305	·0195	·0097	·0062	·0109	·0252	·0187	·0122	·0120	·0252	·0304	8 12 „
17	·0334	·0316	·0206	·0125	·0065	·0122	·0276	·0207	·0138	·0146	·0265	·0303	9 12 „
18	·0339	·0305	·0224	·0142	·0079	·0127	·0288	·0221	·0157	·0159	·0265	·0300	10 12 „
19	·0335	·0306	·0219	·0130	·0071	·0137	·0286	·0214	·0164	·0150	·0244	·0291	11 12 „
20	·0294	·0282	·0190	·0104	·0048	·0127	·0268	·0202	·0153	·0123	·0207	·0259	Noon.
21	·0255	·0253	·0152	·0061	·0018	·0106	·0253	·0190	·0127	·0074	·0165	·0222	1 12 P. M.
22	·0236	·0219	·0119	·0034	7·9991	·0079	·0233	·0163	·0099	·0043	·0132	·0189	2 12 „
23	·0204	·0200	·0089	·0010	7·9976	·0048	·0206	·0137	·0067	·0012	·0117	·0204	3 12 „

TABLE LIX.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Time, at which the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, was in each Month at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Values of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air.						Mean Diurnal Change.	Time at which the Horizontal Intensity was at its					
	Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.		Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H
January	8·0188			8·0337	8·0329	8·0339	0·0151	24			14	16	18
February	·0183	8·0295	8·0292	·0327	·0305	·0316	·0144	25	12	13	14	16	17
March	·0087	·0165	·0161	·0218	·0195	·0224	·0137	24	8	9	15	16	18
April	·0003	·0065	·0060	·0043	·0097	·0142	·0139	24	4	5	13	16	18
May	7·9975			·0088	·0054	·0079	·0113	24			13	15	18
June	8·0035	·0058	·0046	·0085	·0081	·0137	·0102	24	3	4	10	11	19
July	·0183	·0196	·0188	·0224	·0222	·0288	·0105	28	5	6	12	13	18
August	·0121	·0134	·0129	·0177	·0166	·0221	·0100	25	2	5	14	15	18
September	·0067	·0081	·0072	·0135	·0106	·0164	·0097	23	2	3	12	15	19
October	7·9989	·0026	·0022	·0119	·0106	·0156	·0170	24	2	4	13	15	18
November	8·0102	.0135	·0130	·0254	·0251	·0265	·0163	24	2	4	14	15	18
December	·0169	·0185	·0171	·0322			·0153	24	1	2	14		
Mean of {January, February, March, October, November, December,} or Winter							0·0153	24	4	5	14	16	18
Mean of {April, May, June, July, August, Sept.} or Summer							0·0109	24	2	4	12	16	18

The times of maxima and minima were not constant throughout the year; there was a perceptible change in the times of their occurrence.

Evening minimum is nearly constant.

Midnight maximum earlier in Winter and later in Summer.

Midnight minimum „ „ „

Morning maximum earlier in Summer and later in Winter.

Morning minimum „ „ „

Mid-day maximum remains nearly constant throughout the year.

TABLE LX.—*Showing, for the Year* 1856, *the Mean Value of Horizontal Force, corrected for the Effects of Circumambient Air for each Hour of Göttingen and Bombay Civil Time, and also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Horizontal Intensity, corrected for all Corrections.		Mean Value of Absolute Horizontal Intensity.	Difference from the Mean of the Whole.
		Summer.	Winter.		
	H. M.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0120	8·0066	8·0093	−0·0072
1	5 „	·0134	·0070	·0102	− ·0063
2	6 „	·0145	·0083	·0114	− ·0051
3	7 „	·0145	·0089	·0117	− ·0048
4	8 „	·0150	·0090	·0120	− ·0045
5	9 „	·0162	·0091	·0126	− ·0039
6	10 „	·0181	·0098	·0139	− ·0026
7	11 „	·0198	·0108	·0150	− ·0015
8	0 12 A. M.	·0208	·0113	·0160	− ·0005
9	1 „	·0214	·0119	·0166	·0001
10	2 „	·0225	·0128	·0176	·0011
11	3 „	·0233	·0161	·0197	·0032
12	4 „	·0241	·0138	·0189	·0024
13	5 „	·0250	·0142	·0196	·0031
14	6 „	·0263	·0141	·0202	·0037
15	7 „	·0256	·0127	·0191	·0026
16	8 „	·0251	·0138	·0194	·0029
17	9 „	·0261	·0155	·0208	·0043
18	10 „	·0283	·0169	·0226	·0061
19	11 „	·0274	·0165	·0219	·0054
20	0 12 P. M.	·0225	·0149	·0187	·0022
21	1 „	·0186	·0124	·0155	− ·0010
22	2 „	·0156	·0101	·0128	− ·0037
23	3 „	·0137	·0074	·0105	− ·0060

FOR DAY AND NIGHT.

En. Un.

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night 8·0177

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day 8·0154

Mean..... 8·0165

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. T.	B. C. T.
A minimum at about	Noon or	4 P. M.
A maximum at about	11 or	3 A. M.
A minimum at about	12 or	4 „
A maximum at about	14 or	6 „
A minimum at about	15 or	7 „
A maximum at about	18 or	10 „

VERTICAL FORCE.

The changes of this component of the Earth's Magnetic Force were obtained by means of the Scale Readings of Vertical Force Magnetometer.

The Instrument was rather sluggish in its movements in the Rainy Season, occasioned, no doubt, from the humidity of Atmospheric Air, which affects the Instrument, notwithstanding the usual precautions which had been adopted to keep the Box of the Instrument from Damp.

The Values of Absolute Force, calculated from the Scale Readings of Vertical Force Magnetometer, were further corrected for Humidity correction.

TABLE LXI.—*Mean Values of Absolute Vertical Intensity, obtained from the Scale Readings of Vertical Force Magnetometer, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	2·7849	2·8158		2·8103	2·8087		2·8156	2·7819	2·7690	2·7538		2·7854
2	·7869		2·8200	·8108	·8091	2·8257	·8132		·7673	·7525	2·8042	·7837
3	·7860	·8190	·8179	·8085		·8230	·7958	·7815	·7667	·7497	·8039	·7835
4	·7881	·8225	·8154	·8098	·8099	·8115	·7854	·7778	·7659		·7995	·7808
5	·7908	·8238	·8141		·8104	·8062		·7777	·7646	·7472	·7986	·7786
6		·8178	·8094	·8075	·8142	·7996	·7708	·7775		·7454	·7960	
7	·7865	·8183	·8190	·8094	·8128		·7621	·7764	·7638	·7450	·7911	·7789
8	·7843	·8177		·8069	·8141	·8018	·7593	·7759	·7637	·7452		·7813
9	·7881		·8014	·8033	·8151	·8088	·7675		·7631	·7448	·7942	·7819
10	·7877	·8188	·8002	·8035		·7929	·7685	·7744	·7624	·7436	·7975	·7795
11	·7850	·8178	·7983	·8019	·8199	·7781	·7748	·7740	·7619		·8001	·7759
12		·8160	·7987		·8176	·7684		·7738	·7629	* ·7430	·8014	·7727
13	·7887	·8188	·7924	·8051	·8179	·7709	·7743	·7720		·7438	·8041	
14	·7898	·8210	·7906	·8056	·8192		·7844		·7611	·7440	·8023	·7670
15	·7913	·8215		·8033	·8201	·7812	·7790	·7730	·7617	·7425		·7680
16	·7919		·7898	·8081	·8203	·7856	·7732		·7608	·7435	·8013	·7695
17	·7902	·8198	·7900	·8119		·7849	·7747	·7779	·7586	·7477	·8007	·7659
18	·7958	·8187	·7950	·8144	·8248	·7810	·7796	·7777	·7574		·7996	·7649
19		·8151	·8047		·8244	·7798		·7774	·7574	·7671	·7990	·7645
20	·7885	·8163		·8203	·8198	·7825	·7810	·7770		·7786	·7996	
21	·7955	·8181		·8230	·8219		·7871	·7761	·7701	·7857	·7988	·7619
22	·7926	·8202		·8206	·8132	·7916	·7811	·7753	·7693	·7906		·7566
23	·7952	·8288	·8094	·8181		·7936	·7831		·7639	·7942	·7965	·7555
24	·7929		·8097	·8120		·8046	·7862	* ·7739	·7607	·7972	·7961	·7556
25	·7949	·8287	·8135	·8098	·8119	·8101	·7863	·7723	·7589		·7924	·7560
26		·8270	·8120		·8162	·8159		·7704	·7589		·7892	
27	·7959	·8269	·8103	·8095	·8268	·8095	·7852	·7700		·8006	·7897	
28	·7959	·8274	·8067	·8101	·8202		·7842	·7706	·7595	·8012	·7903	·7520
29	·8012	·8258		·8098	·8181	·7936	·7835	·7704	·7569	·8029	·7905	* ·7477
30	·8020		·8122	·8100	·8172	·8015	·7831	·7700	·7552	·8051		·7439
31	·8108		·8149		·8208		·7816					·7418

* Days on which Magnetic Disturbance occurred.

TABLE LXII.—*Showing the Number of Instances in which the Difference between the Mean Daily Values of Vertical Intensity on Two Consecutive Days was within certain Limits.*

Difference of the Daily Means of Two Consecutive Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
En. Un. En. Un.													
Greater than 0·001 and less than 0·002	8	11	6	3	7	3	6	8	8	6	5	5	76
,, ·002 ,, ·003	7	3	3	3	3	4	2		2	4	4	6	41
,, ·003 ,, ·004	2	3	2	3	2	1	1	1	2	4	4	4	29
,, ·004 ,, ·005	1		3	1	4	1	1	1		2	2	2	18
,, ·005 ,, ·006	2	1	1	1		3	3		1			2	14
,, ·006 ,, ·007	1		1	1	1	3	2						9
,, ·007 ,, ·008	1					1				1			3
,, ·008 ,, ·009	1	1			1		2						5
,, ·009 ,, ·010			2			2							4
,, ·010 ,, ·011					1	1	2						4
,, ·011 ,, ·012						1				1			2
,, ·012 ,, ·013									1				1
,, ·014 ,, ·015						1	1						2
,, ·015 ,, ·016						2							2
,, ·017 ,, ·018			1				1						2
,, ·019 ,, ·020										1			1

TABLE LXIII.—*Showing the Greatest and Least Difference, in each Month, between the Daily Mean Values of Vertical Force of Two Consecutive Days.*

Months, 1856.	Difference of Daily Means.		Second Difference.	The Day on which the Difference was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D. D.	D. D.
January	0·0088	0·0000	0·0088	30 & 31	27 & 28
February	·0086	·0001	·0085	22 – 23	2 instances.
March	·0176	·0002	·0095	7 – 9	16 & 17
April	·0061	·0002	·0059	23 – 24	2 instances.
May	·0106	·0002	·0104	26 – 27	15 & 16
June	·0159	·0007	·0152	2 instances.	16 – 17
July	·0174	·0001	·0170	2 – 3	24 – 25
August	·0049	·0001	·0048	14 – 16	4 – 5
September	·0127	·0009	·0054	19 – 21	2 instances.
October	·0194	·0002	·0113	17 – 19	7 & 8
November	·0044	·0002	·0042	3 – 4	28 – 29
December	·0057	·0001	·0056	12 – 14	23 – 24

TABLE LXIV.—*Showing the Greatest and Least Mean Daily Values of Vertical Intensity, in each Month of the Year* 1856.

Months, 1856.	Mean Daily Values of Vertical Intensity.		Difference.	The Day on which the Daily Value of Vertical Intensity was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D.	D.
January	2·8108	2·7843	0·0265	31	8
February	·8288	·8151	·0137	23	19
March	·8200	·7898	·0302	2	16
April	·8230	·8019	·0211	21	11
May	·8268	·8087	·0181	27	1
June	·8257	·7684	·0573	2	12
July	·8156	·7593	·0563	1	8
August	·7819	·7700	·0119	1	27 & 30
September	·7701	·7552	·0149	21	30
October	·8051	·7425	·0626	30	15
November	·8042	·7892	·0150	2	26
December	·7854	·7418	·0436	1	31

TABLE LXV.—*Mean Temperature of Air, confined within the Box of Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	79°8	77°0		86°2	88°9		80°8	82°3	82°2	83°7		79°9
2	79·9		82°5	86·7	88·8	82°3	80·5		82·7	83·8	84°2	79·2
3	80·5	77·6	83·0	86·2		82·1	82·3	82·4	83·5	84·8	84·9	78·7
4	79·9	76·9	83·4	85·3	88·8	83·1	82·4	82·2	83·6		85·1	79·3
5		77·8	83·4		88·8	81·5		81·5	84·0	86·1	84·6	79·7
6	79·0	80·0	83·7	85·6	88·5	82·3	84·9	82·3		86·6	84·3	
7	80·2	80·0	83·7	85·6	88·5		85·0	82·3	83·8	86·6	85·2	78·1
8	80·2	79·9		85·8	88·7	83·0	85·2	82·2	83·6	86·0		76·0
9	80·0		83·9	86·0	88·8	80·9	84·3		83·8	86·7	84·7	77·0
10	80·0	79·8	83·9	85·5		82·9	84·4	83·1	84·0	86·4	83·0	79·2
11	80·3	80·1	84·2	86·3	88·5	85·0	84·3	82·8	83·6		82·2	81·8
12		80·2	84·1		88·5	86·1		83·2	82·2	*85·4	82·1	82·0
13	79·4	79·3	85·7	87·1	88·6	86·8	84·1	84·3		84·5	81·6	
14	79·1	78·5	85·9	86·7	88·7		82·4		83·2	83·6	81·2	81·3
15	78·7	78·8		87·0	89·0	86·4	83·4	83·9	82·7	82·9		78·6
16	78·9		85·2	86·4	88·9	85·8	84·0		81·8	82·8	81·2	79·0
17	78·4	79·9	85·4	86·7		85·9	83·5	83·1	82·3	83·5	81·3	78·7
18	77·7	80·6	84·4	87·6	88·6	86·9	83·6	82·9	81·2		81·2	78·9
19		82·2	82·6		88·8	87·3		82·5	78·7	83·5	81·3	78·8
20	80·5	82·9		88·0	88·8	87·6	84·6	82·5		82·3	80·5	
21	80·2	83·0		87·4	87·7		84·9	83·1	78·4	82·2	79·2	78·6
22	80·8	82·4		87·3	89·2	88·0	84·5	83·1	80·0	82·0		80·0
23	80·4	80·6	83·5	87·2		87·9	81·4		81·4	82·0	80·3	79·9
24	79·9		83·4	87·6		86·9	80·8	*83·1	82·1	81·9	80·5	78·5
25	79·3	79·2	82·6	87·8	90·0	85·7	81·6	83·5	82·8		82·3	77·8
26		79·5	83·3		89·2	84·1		83·9	83·1		82·6	
27	78·3	79·6	84·1	88·0	87·1	84·5	81·5	83·9		84·1	81·0	
28	78·5	79·8	85·2	87·9	87·3		81·7	82·9	83·1	83·9	79·8	78·9
29	77·5	80·8		88·3	86·9	85·9	81·8	83·1	83·3	82·5	79·5	*77·8
30	77·4		83·9	88·4	85·8	84·0	82·9	81·5	83·4	81·9		77·1
31	76·6		84·4		84·9		82·7			82·8		75·6

TABLE LXVI.—*Showing the Values of Absolute Vertical Intensity, as obtained from the Extreme Scale Readings, in Simple Hourly Observations and Term Hour Observations.*

Months, 1856.	Absolute Vertical Intensity in Simple Hourly Observations.		Absolute Vertical Intensity in Term Hour Observations.		Extreme Range.	Time when the Values of Vertical Intensity in			
						Simple Hourly Observations,		Term Hour Observations,	
	Greatest.	Least.	Greatest.	Least.		Greatest.	Least.	Greatest.	Least.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	D. H. M.	D. H. M.	D. H. M.	D. H. M.
January	2·8246	2·7780	2·8046	2·7857	0·0466	31·16·00	20·Noon·0	23·15·43	23·00·58
February	2·8351	2·8057	2·8147	2·7861	0·0490	4·16·00	19·01.00	22·16·13	22·01·23
March	2·8273	2·7782	2·8165	2·7933	0·0491	2·16·00	16·01·00	19·14·43	19·00·43
April	2·8317	2·7930	2·8279	2·8015	0·0387	21·15·00	15·02·00	23·14·33	23·01·33
May	2·8345	2·7989	2·8283	2·8096	0·0356	18·14·00	25·00·00	30·15·23	30·22·38
June	2·8307	2·7555	2·7937	2·7661	0·0752	2·13·00	13·02·00	18·14·38	18·02·23
July	2·8204	2·7517	2·7862	2·7805	0·0687	1·23·00	8·02·00	23· uncertain	23·10·18
August	2·7799	2·7720	2·7710	2·7699	0·0100	17·20·00	15·10·00	29· uncertain	29· uncertain
September	2·7734	2·7638	2·7630	2·7593	0·0141	21·04·00	5·12·00	24·14·48	24·00·58
October	2·8080	2·7422	2·7960	2·7892	0·0658	31·15·00	7·02·00	22·09·23	22·01·13
November	2·7938	2·7875	2.7931	2·7889	0·0063	29·17·00	7·01·00	28·15·38	28·23·33
December	2·7875	2·7416	2·7609	2·7539	0·0459	8·16·00	29·19·00	24·15·18	24·00·38

It appears from this Table that the time of the maximum vertical intensity happens between 15h. and 17h. Göttingen time, and the minimum time occurs between noon and 2h. The Magnets become sluggish in their movements in the SW. Monsoon, causing the daily range to decrease in its average amount, no doubt from the saturated condition of the atmosphere.

TABLE LXVII.—*Showing, for each Month, the Mean Value of Absolute Vertical Intensity, and its Periodic Changes from the Mean of the Year, as obtained from Vertical Force Magnetometer.*

Months, 1856.	Mean Value of Absolute Vertical Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	2·7917	0·0003	Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter	2·7919
February	·8213	·0299		
March	·8061	·0147		
April	·8107	·0193	Mean of { April, May, June, / July, Aug. Sept. } or Summer	2·7910
May	·8168	·0254		
June	·7974	·0060	Mean of the year	2·7914
July	·7818	·0096		
August	·7756	·0158		
September	·7635	·0279	Greatest monthly mean, in May	2·8168
October	·7675	·0239	Least monthly mean, in September	2·7635
November	·7977	·0063		
December	·7670	·0244	Difference	0·0533

TABLE LXVIII.—*Showing, for each Month, the Mean Temperature of Air within the Box of the Vertical Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Temperature of the Air within the Box of the Vertical Force.	Difference from the Mean of the Year.	FOR SEASONS.	
January	79°3	− 3°8	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter	81°4
February	79·9	− 3·2		
March	84·0	0·9		
April	86·9	3·8	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer	84·7
May	88·3	5·2		
June	84·9	1·8	Mean of the year	83·1
July	83·1	0·0		
August	82·8	− 0·3		
September	82·5	− 0·6	Greatest monthly mean, in May	88·3
October	83·9	0.8	Least monthly mean, in December	79·3
November	82·1	− 1·0		
December	79·3	− 3·8	Difference	9·0

TABLE LXIX.—*Daily Range of Vertical Intensity, for each Day of Göttingen Mean Time, as obtained from Scale Readings of Vertical Force Magnetometer.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0·026	0·024		0·019	0·020		0·009	0·003	0·002	0·002		0·008
2	·028		0·015	·021	·021	0·014	·012		·002	·004	0·009	·008
3	·021	·030	·018	·022		·019	·030	·007	·002	·002	·006	·006
4	·022	·024	·016	·021	·018	·018	·013	·003	·001		·007	·006
5		·021	·016		·023	·015		·002	·002	·003	·007	·005
6	·022	·021	·017	·020	·020	·014	·017	·001		·004	·008	
7	·020	·017	·021	·021	·019		·014	·002	·002	·004	·010	·007
8	·023	·018		·018	·021	·018	·015	·002	·002	·004		·011
9	·025		·022	·020	·019	·019	·014		·001	·004	·011	·008
10	·019	·023	·022	·020		·022	·012	·002	·001	·004	·013	·007
11	·021	·017	·021	·019	·024	·021	·013	·002	·002		·009	·006
12		·020	·015		·019	·021		·002	·001	·004	·010	·005
13	·019	·020	·019	·027	·022	·031	·019	·002		·003	·012	
14	·019	·019	·029	·022	·024		·015		·001	·002	·009	·007
15	·020	·023		·021	·019	·022	·013	·002	·001	·004		·010
16	·022		·020	·025	·020	·017	·012		·001	·005	·009	·007
17	·024	·020	·020	·023		·024	·005	·003	·002	·009	·008	·004
18	·024	·024	·024	·025	·023	·023	·012	·002	·001		·009	·008
19		·019	·024		·021	·027		·002	·003	·022	0·08	·007
20	·019	·017		·021	·016	·029	·002	·002		·015	·008	
21	·022	·020		·020	·026		·002	·001	·009	·012	·008	·008
22	·023	·021		·020	·021	·023	·004	·002	·004	·010		·006
23	·018	·023	·022	·022		·028	·005		·005	·009	·009	·009
24	·014		·020	·022		·028	·003	·001	·003	·008	·009	·007
25	·016	·021	·021	·021	·025	·018	·002	·003	·003		·005	·009
26		·017	·021		·028	·022		·001	·001		·005	
27	·020	·016	·021	·021	·017	·021	·001	·001		·009	·010	
28	·020	·025	·023	·018	·014		·001	·003	·003	·011	·007	·007
29	·020	·022		·019	·022	·018	·002	·001	·003	·007	·006	·009
30	·024		·021	·018	·025	·018	·002	·002	·003	·006		·006
31	·028		·020		·021		·002			·005		·013

TABLE LXX.—*Showing the number of instances in which the Range of Vertical Intensity was within certain Limits.*

Daily Range of Vertical Intensity.			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
	En. Un.														
Greater than	0·001	and less than 10·002							8	19	17	3			47
,,	·003	,, ·005							2	5	7	10		1	25
,,	·005	,, ·007							2		1	3	4	7	17
,,	·007	,, ·009								1		2	8	12	23
,,	·009	,, ·011							1		1	4	10	4	20
,,	·011	,, ·013							4			2	2	1	19
,,	·013	,, ·015	1				1	2	5				1	1	11
,,	·015	,, ·017	1	1	4		1	1	2			1			21
,,	·017	,, ·019	1	5	2	3	2	6	1						30
,,	·019	,, ·021	9	6	5	8	7	2	1						48
,,	·021	,, ·023	6	5	9	11	7	6				1			25
,,	·023	,, ·025	5	6	3	1	4	3							82
,,	·025	,, ·027	2	1		2	3								7
,,	·027	,, ·029	2			1	1	3							5
,,	·029	,, ·035		1	1			2	1						

It appears from the preceding Table that, out of 308 instances, there were,—

72	cases in which the range was	greater than	0·001,	and less than	0·005
60	,,	,,	·005	,,	·011
20	,,	,,	·011	,,	·015
69	,,	,,	·015	,,	·021
67	,,	,,	·021	,,	·025
15	,,	,,	·025	,,	·029
5	,,	,,	·029	,,	·035

It is also observed from this Table that the ranges become small in the rainy season, or reduce themselves to a small fraction of the usual range in the dry season.

TABLE LXXI.—*Showing the Greatest and Least Range of Vertical Force in each Month of the Year* 1856.

Months, 1856.	Daily Range of Vertical Force.		Difference.	The Day on which the Range of Vertical Force was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D.	D.
January	0·028	0·014	0·014	2 & 31	24
February	·030	·016	·014	3	27
March	·029	·015	·014	14	2 & 12
April	·027	·018	·009	13	8·28·30
May.....	·028	·014	·014	26	28
June.....	·031	·014	·017	13	2 & 6
July.....	·019	·001	·018	13	27 & 28
August.....	·007	·001	·006	3	6 cases.
September	·009	·001	·008	21	9 cases.
October	·022	·012	·020	19	1·3·14
November	·013	·015	·008	13	25 & 26
December.....	·013	·014	·009	31	17

It appears from this Table that the daily ranges were larger in dry days than in the days of the rainy season.

TABLE LXXII.—*Showing the Mean Monthly Range of Vertical Force Magnetometer in Absolute Measure.*

Months, 1856.	Mean Monthly Range of Vertical Force.	For Seasons.	
	En. Un.		En. Un.
January	0·022		
February.....	·022		
March	·020	Mean for Winter	0·014
April	·021	Mean for Summer	0·013
May.....	·021		
June.....	·021	Mean for the year.....	0·013
July.....	·009		
August.....	·002		
September	·002	Greatest monthly mean, in Jan. & Feb..	0·022
October	·009	Least monthly mean, in Aug. & Sept...	0·002
November	·008		
December.....	·007		

The mean range during the first half of the year was about 0·021 En. Un., but in the latter half it was as much as 0·006 En. Un., showing that the instrument had become more sluggish in its movements after the month of July than in the first half of this year.

TABLE LXXIII.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	2·7832	2·8124	2·7975	2·8023	2·8004	2·7909	2·7803	2·7757	2·7628	2·7653	2·7940	2·7646	4 12 P.M.
1	·7822	·8111	·7965	·8014	·8078	·7906	·7800	·7755	·7628	·7645	·7939	·7643	5 12 „
2	·7839	·8132	·7976	·8022	·8076	·7906	·7797	·7753	·7629	·7644	·7945	·7650	6 12 „
3	·7860	·8154	·7999	·8042	·8116	·7921	·7797	·7752	·7633	·7644	·7950	·7654	7 12 „
4	·7875	·8171	·8020	·8063	·8138	·7940	·7802	·7752	·7634	·7642	·7954	·7659	8 12 „
5	·7890	·8183	·8036	·8089	·8159	·7951	·7808	·7752	·7634	·7655	·7956	·7661	9 12 „
6	·7909	·8197	·8052	·8109	·8180	·7970	·7813	·7752	·7634	·7661	·7962	·7664	10 12 „
7	·7919	·8210	·8068	·8129	·8201	·7989	·7817	·7752	·7635	·7665	·7967	·7667	11 12 „
8	·7931	·8218	·8078	·8142	·8212	·8002	·7822	·7752	·7635	·7669	·7971	·7671	Midnight.
9	·7938	·8230	·8090	·8148	·8219	·8002	·7825	·7750	·7635	·7673	·7979	·7674	1 12 A.M.
10	·7946	·8240	·8102	·8162	·8224	·8012	·7830	·7753	·7633	·7677	·7983	·7673	2 12 „
11	·7955	·8250	·8105	·8169	·8237	·8022	·7831	·7752	·7634	·7682	·7987	·7681	3 12 „
12	·7969	·8260	·8117	·8176	·8239	·8028	·7835	·7752	·7634	·7688	·7991	·7683	4 12 „
13	·7981	·8269	·8125	·8184	·8240	·8039	·7840	·7757	·7640	·7688	·7994	·7686	5 12 „
14	·7988	·8280	·8136	·8200	·8260	·8055	·7847	·7755	·7644	·7694	·7996	·7685	6 12 „
15	·8006	·8297	·8154	·8211	·8258	·8061	·7848	·7759	·7644	·7698	·8007	·7692	7 12 „
16	·8027	·8309	·8156	·8197	·8228	·8003	·7841	·7759	·7646	·7696	·8011	·7705	8 12 „
17	·7999	·8298	·8131	·8150	·8159	·7999	·7834	·7758	·7638	·7689	·8004	·7697	9 12 „
18	·7936	·8262	·8084	·8097	·8155	·7966	·7824	·7758	·7636	·7684	·7992	·7681	10 12 „
19	·7896	·8225	·8045	·8063	·8133	·7943	·7815	·7760	·7634	·7684	·7990	·7668	11 12 „
20	·7882	·8193	·8027	·8048	·8117	·7935	·7809	·7760	·7634	·7689	·7995	·7671	Noon.
21	·7879	·8183	·8021	·8049	·8117	·7932	·7807	·7757	·7633	·7695	·7983	·7665	1 12 P.M.
22	·7869	·8163	·8009	·8041	·8111	·7926	·7801	·7756	·7633	·7695	·7972	·7655	2 12 „
23	·7857	·8142	·7990	·8031	·8064	·7918	·7800	·7758	·7634	·7691	·7960	·7652	3 12 „

TABLE LXXIV.—*Mean Temperature of Air within the Box of the Vertical Force, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	82·4	82·7	86·6	89·5	90·5	86·5	84·4	84·7	84·4	86·2	85·0	81·3	4 12 P.M.
1	82·1	82·4	86·3	89·1	90·2	86·4	84·0	84·2	83·8	85·8	84·2	80·9	5 12 „
2	81·3	81·8	85·8	88·6	89·6	85·9	83·7	83·8	83·4	85·2	83·6	80·4	6 12 „
3	80·9	81·2	85·1	87·9	89·0	85·6	83·5	83·8	83·0	84·8	83·1	80·0	7 12 „
4	80·4	80·7	84·7	87·4	88·6	85·3	83·2	83·1	82·7	84·4	82·8	79·6	8 12 „
5	80·2	80·3	84·2	86·9	88·1	85·0	83·1	82·8	82·3	84·0	82·4	79·2	9 12 „
6	79·4	79·9	83·8	86·6	87·8	84·7	82·9	82·7	82·1	83·7	82·1	78·9	10 12 „
7	79·1	79·7	83·5	86·3	87·6	84·5	82·8	82·5	82·0	83·4	81·7	78·5	11 12 „
8	78·8	79·4	83·2	86·0	87·4	84·3	82·8	82·3	81·8	83·2	81·4	78·3	Midnight.
9	78·5	79·1	83·0	85·8	87·4	84·2	82·7	82·3	81·7	83·0	81·3	78·0	1 12 A.M.
10	78·2	78·8	82·7	85·5	87·2	84·0	82·6	82·1	81·6	82·8	81·1	77·8	2 12 „
11	77·5	78·5	82·5	85·3	87·1	83·9	82·4	82·0	81·5	82·6	80·8	77·6	3 12 „
12	77·6	78·2	82·2	85·1	87·0	83·8	82·3	81·9	81·4	82·4	80·6	77·3	4 12 „
13	77·4	77·9	82·0	85·0	86·8	83·7	82·2	81·8	81·4	82·3	80·3	77·1	5 12 „
14	77·2	77·7	81·8	84·9	86·8	83·8	82·2	81·8	81·4	82·1	80·1	76·6	6 12 „
15	77·0	77·5	81·8	85·2	87·0	83·9	82·1	81·7	81·3	82·3	79·9	76·6	7 12 „
16	77·1	77·8	82·1	85·6	87·2	84·3	82·3	81·7	81·4	82·6	80·1	76·8	8 12 „
17	77·5	77·9	82·7	85·9	87·3	84·2	82·5	82·0	81·8	82·7	80·6	77·2	9 12 „
18	78·2	78·9	83·4	86·6	87·9	84·6	82·9	82·4	82·3	83·5	81·5	78·0	10 12 „
19	79·1	79·8	84·2	87·3	88·8	85·0	83·2	82·9	82·8	84·2	82·4	79·0	11 12 „
20	80·1	80·6	85·3	88·0	89·3	85·5	83·6	83·4	83·2	84·7	83·3	79·9	Noon.
21	80·8	81·3	85·5	88·6	89·7	85·8	84·0	83·9	83·6	85·2	84·1	80·2	1 12 P.M.
22	81·5	82·0	86·1	89·1	90·1	86·2	84·4	84·5	84·1	85·8	84·7	80·9	2 12 „
23	82·1	82·5	86·6	89·4	90·4	86·4	84·6	84·8	84·5	86·1	85·0	81·1	3 12 „

TABLE LXXV.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Time at which the Mean Value of Absolute Vertical Intensity in each Month was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Value of Absolute Vertical Intensity.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Vertical Intensity was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	En. Un.	En. Un.	En. Un.	H.	H.
January	2·8027	2·7822	0·0205	16	25
February	·8309	·8111	·0198	16	25
March	·8156	·7965	·0191	16	25
April	·8211	·8014	·0197	15	25
May.....	·8260	·8064	·0196	14	23
June	·8061	·7906	·0155	15	25
July.....	·7848	·7797	·0051	15	26
August.....	·7760	·7750	·0010	19	9
September	·7646	·7628	·0018	16	25
October	·7696	·7642	·0054	16	28
November	·8011	·7939	·0072	16	25
December	·7705	·7643	·0062	16	25
Mean of {Jan. Feb. March / Oct. Nov. Dec.} or Winter....			·0130	16	25
Mean of {Apr. May, June, / July, Aug. Sept.} or Summer ..			·0104	15	24

TABLE LXXVI.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Time at which the Mean Temperature of Air within the Box of Vertical Force, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Air within the Box of Vertical Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air within the Box of Vertical Force was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January.....	82°4	77°0	5°4	Noon.	15
February	82·7	77·5	5·2	Noon.	15
March	86·6	81·8	4·8	23	15
April	89·5	84·9	4·6	Noon.	14
May	90·5	86·8	3·7	Noon.	14
June	86·5	83·7	2·8	Noon.	13
July	84·6	82·1	2·5	23	15
August	84·8	81·7	3·1	23	15
September.....	84·5	81·3	3·2	23	15
October.....	86·2	82·1	4·1	Noon.	15
November.....	85·0	79·9	5·1	Noon.	15
December	81·3	76·6	4·7	Noon.	15
Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter ..			4·9	Noon.	15
Mean of {April, May, June, / July, Aug. Sept.} or Summer..			3·3	23	14

TABLE LXXVII.—*Showing, for the Year* 1856, *the Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, for each Hour of Göttingen and Bombay Civil Time; also its Diurnal Changes from the Mean.*

Göttingen Mean Solar Time.	Bombay Civil Time.	Absolute Value of Vertical Intensity. Winter.	Absolute Value of Vertical Intensity. Summer.	Mean Value of Vertical Intensity for each Hour.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	4·12 P. M.	2·7861	2·7867	2·7864	−0·0049
1	5 12 „	·7854	·7862	·7858	− ·0055
2	6 12 „	·7864	·7864	·7864	− ·0049
3	7 12 „	·7877	·7877	·7877	− ·0036
4	8 12 „	·7887	·7888	·7888	− ·0025
5	9 12 „	·7897	·7899	·7898	− ·0015
6	10 12 „	·7909	·7910	·7909	− ·0004
7	11 12 „	·7916	·7920	·7918	·0005
8	0·12 A. M.	·7939	·7927	·7933	·0020
9	1 12 „	·7930	·7930	·7930	·0017
10	2 12 „	·7937	·7936	·7936	·0023
11	3 12 „	·7943	·7941	·7942	·0029
12	4 12 „	·7951	·7944	·7948	·0035
13	5 12 „	·7957	·7950	·7953	·0040
14	6 12 „	·7963	·7960	·7962	·0049
15	7 12 „	·7976	·7963	·7969	·0056
16	8 12 „	·7984	·7947	·7966	·0053
17	9 12 „	·7969	·7921	·7945	·0032
18	10 12 „	·7940	·7906	·7923	·0010
19	11 12 „	·7918	·7891	·7904	− ·0009
20	0·12 P. M.	·7919	·7884	·7901	− ·0012
21	1 12 „	·7904	·7882	·7893	− ·0020
22	2 12 „	·7888	·7871	·7879	− ·0034
23	3 12 „	·7842	·7867	·7854	− ·0059

FOR DAY AND NIGHT.

En. Un.

Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night 2·7916

Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 24, 1,} or Day 2·7910

Mean..... 2·7913

TIMES OF MEAN MAXIMUM AND MINIMUM.

In Winter.

	G. M. T.	B. C. T.
A maximum at about	Noon or	4 P. M.
A minimum.....	1 ...	5 P. M.
A maximum	8 ...	Midnight.
A minimum.....	9 ...	1 A. M.
A maximum	16 ...	8 „
A minimum.....	23 ...	3 P. M.

In Summer.

A minimum at about	1	or	5 P. M.
A maximum	15	...	7 A. M.

TABLE LXXVIII.—*Showing, for the Year* 1856, *the Mean Temperature of Air within the Box of the Vertical Force Magnetometer, for each Hour of Göttingen and Bombay Civil Time; also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air in the Box of Vertical Force Magnetometer.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4·12 P. M.	85°4	2°3
1	5 12 „	85·0	1·9
2	6 12 „	84·4	1·3
3	7 12 „	84·0	0·9
4	8 12 „	83·6	0·5
5	9 12 „	83·4	0·3
6	10 12 „	82·8	− 0·3
7	11 12 „	82·6	− 0·5
8	0·12 A. M.	82·4	− 0·7
9	1 12 „	82·2	− 0·9
10	2 12 „	82·0	− 1·1
11	3 12 „	81·8	− 1·3
12	4 12 „	81·7	− 1·4
13	5 12 „	81·5	− 1·6
14	6 12 „	81·4	− 1·7
15	7 12 „	81·4	− 1·7
16	8 12 „	81·6	− 1·5
17	9 12 „	81·9	− 1·2
18	10 12 „	82·5	− 0·6
19	11 12 „	83·2	0·1
20	0·12 P. M.	83·9	0·8
21	1 12 „	84·4	1·3
22	2 12 „	84·9	1·8
23	3 12 „	85·3	2·2

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night .. 82°7

Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, Noon, 1,} or Day.... 83·6

Mean ..... 83·1

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A maximum at	Noon or	4 P. M.
A minimum at	15 or	7 A. M.

TABLE LXXIX.—*Excess of the Mean Hourly Values of Vertical Intensity above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	-0·0085	-0·0089	-0·0086	-0·0084	-0·0084	-0·0065	-0·0015	0·0001	-0·0007	-0·0022	-0·0037	-0·0024	4 12 P.M.
1	- ·0095	- ·0102	- ·0096	- ·0093	- ·0090	- ·0068	- ·0018	·0000	- ·0007	- ·0030	- ·0038	- ·0027	5 12 „
2	- ·0078	- ·0081	- ·0085	- ·0085	- ·0092	- ·0068	- ·0021	- ·0003	- ·0006	- ·0031	- ·0032	- ·0020	6 12 „
3	- ·0057	- ·0059	- ·0062	- ·0065	- ·0052	- ·0053	- ·0021	- ·0004	- ·0002	- ·0031	- ·0027	- ·0016	7 12 „
4	- ·0042	- ·0042	- ·0041	- ·0044	- ·0030	- ·0034	- ·0016	- ·0004	- ·0001	- ·0033	- ·0023	- ·0011	8 12 „
5	- ·0027	- ·0030	- ·0025	- ·0018	- ·0009	- ·0023	- ·0010	- ·0004	- ·0001	- ·0020	- ·0021	- ·0009	9 12 „
6	- ·0008	- ·0016	·0009	·0002	·0012	- ·0004	- ·0005	- ·0004	- ·0001	- ·0014	- ·0015	- ·0006	10 12 „
7	·0002	- ·0003	·0007	·0022	·0033	·0015	- ·0001	- ·0004	·0000	- ·0010	- ·0010	- ·0003	11 12 „
8	·0014	·0005	·0017	·0035	·0044	·0028	·0004	- ·0004	·0000	- ·0006	- ·0006	·0001	Midnight
9	·0021	·0017	·0029	·0041	·0051	·0028	·0007	- ·0006	·0000	- ·0002	·0002	·0004	1 12 A.M.
10	·0029	·0027	·0041	·0055	·0056	·0038	·0012	- ·0003	- ·0002	·0002	·0006	·0003	2 12 „
11	·0038	·0037	·0044	·0062	·0069	·0048	·0013	- ·0004	- ·0001	·0007	·0010	·0011	3 12 „
12	·0052	·0047	·0056	·0069	·0071	·0054	·0017	- ·0001	- ·0001	·0013	·0014	·0013	4 12 „
13	·0064	·0056	·0064	·0077	·0072	·0065	·0022	·0001	·0005	·0013	·0017	·0016	5 12 „
14	·0071	·0067	·0075	·0093	·0092	·0081	·0029	- ·0001	·0009	·0019	·0019	·0015	6 12 „
15	·0089	·0084	·0093	·0104	·0090	·0087	·0030	·0003	·0009	·0023	·0030	·0022	7 12 „
16	·0110	·0096	·0095	·0090	·0060	·0029	·0023	·0003	·0011	·0021	·0034	·0035	8 12 „
17	·0082	·0085	·0070	·0043	- ·0018	·0025	·0016	·0002	·0003	·0014	·0027	·0027	9 12 „
18	·0019	·0049	·0023	- ·0010	- ·0013	- ·0008	·0006	·0002	·0001	·0009	·0015	·0011	10 12 „
19	- ·0021	·0012	- ·0016	- ·0044	- ·0035	- ·0031	- ·0003	·0004	- ·0001	·0009	·0013	- ·0002	11 12 „
20	- ·0035	- ·0020	- ·0034	- ·0059	- ·0051	- ·0039	- ·0009	·0004	- ·0001	·0014	·0018	·0001	Noon.
21	- ·0038	- ·0030	- ·0040	- ·0058	- ·0051	- ·0042	- ·0011	·0001	- ·0002	·0020	·0006	- ·0005	1 12 P.M.
22	- ·0048	- ·0050	- ·0052	- ·0066	- ·0057	- ·0048	- ·0017	·0000	- ·0002	·0020	- ·0005	- ·0015	2 12 „
23	- ·0060	- ·0071	- ·0071	- ·0076	- ·0004	- ·0056	- ·0018	·0002	- ·0001	·0016	- ·0017	- ·0018	3 12 „

TABLE LXXX.—*Excess of the Hourly Mean Temperature of Air, within the Box of the Vertical Force, above the Monthly Mean Temperature.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	3·1	2·9	2·7	2·6	2·2	1·6	1·3	1·9	2·1	2·4	2·8	2·0	4 12 P.M.
1	2·7	2·6	2·4	2·2	1·9	1·5	0·9	1·4	1·4	1·9	2·0	1·6	5 12 „
2	2·0	1·9	1·8	1·7	1·3	1·0	0·6	0·9	1·1	1·4	1·4	1·1	6 12 „
3	1·5	1·3	1·1	1·1	0·7	0·7	0·4	0·5	0·6	0·9	0·9	0·7	7 12 „
4	1·1	0·8	0·7	0·5	0·3	0·4	0·1	0·3	0·2	0·5	0·6	0·4	8 12 „
5	0·9	0·5	0·2	0·0	-0·2	0·1	0·0	0·0	-0·2	0·1	0·2	0·1	9 12 „
6	0·1	0·1	-0·2	-0·3	-0·5	-0·2	-0·2	-0·2	-0·4	-0·1	-0·1	-0·5	10 12 „
7	-0·2	-0·2	-0·5	-0·6	-0·7	-0·4	-0·3	-0·4	-0·5	-0·5	-0·4	-0·8	11 12 „
8	-0·5	-0·5	-0·7	-0·9	-0·9	-0·5	-0·3	-0·6	-0·7	-0·7	-0·7	-1·0	Midnight.
9	-0·8	-0·8	-0·9	-0·9	-1·0	-0·7	-0·4	-0·6	-0·8	-0·9	-0·8	-1·3	1 12 A.M.
10	-1·1	-1·0	-1·2	-1·4	-1·1	-0·8	-0·5	-0·7	-0·8	-1·1	-1·1	-1·5	2 12 „
11	-1·8	-1·4	-1·5	-1·5	-1·2	-1·0	-0·7	-0·8	-1·0	-1·3	-1·3	-1·7	3 12 „
12	-1·7	-1·7	-1·8	-1·8	-1·4	-1·1	-0·8	-0·9	-1·0	-1·4	-1·6	-2·0	4 12 „
13	-1·9	-1·9	-1·9	-1·9	-1·5	-1·2	-0·9	-1·1	-1·1	-1·6	-1·9	-2·2	5 12 „
14	-2·1	-2·2	-2·2	-1·9	-1·6	-1·1	-0·9	-1·1	-1·1	-1·8	-2·1	-2·7	6 12 „
15	-2·3	-2·3	-2·2	-1·7	-1·3	-1·0	-1·0	-1·1	-1·2	-1·6	-2·2	-2·7	7 12 „
16	-2·2	-2·1	-1·9	-1·3	-1·1	-0·6	-0·8	-1·1	-1·0	-1·2	-2·0	-2·5	8 12 „
17	-1·8	-1·9	-1·3	-1·0	-1·0	-0·7	-0·6	-0·8	-0·7	-1·2	-1·6	-2·1	9 12 „
18	-1·2	-1·0	-0·6	-0·3	-0·4	-0·3	-0·2	-0·5	-0·2	-0·4	-0·7	-1·3	10 12 „
19	-0·2	0·0	0·3	0·4	0·5	0·1	0·1	0·1	0·3	0·3	0·3	-0·3	11 12 „
20	0·8	0·8	1·4	1·2	1·0	0·6	0·5	0·6	0·7	0·9	1·2	0·5	Noon.
21	1·5	1·4	1·5	1·7	1·4	0·9	0·9	1·1	1·2	1·3	2·0	0·9	1 12 P.M.
22	2·2	2·1	2·0	2·2	1·8	1·3	1·3	2·5	1·6	1·9	2·6	1·6	2 12 „
23	2·8	2·7	2·7	2·5	2·1	1·5	1·5	1·9	2·0	2·2	2·8	1·8	3 12 „

DIP.

This element has been obtained both by calculation and from observations. The values of calculated dip were deduced from the absolute values of horizontal and vertical intensities, and the observed dip was carefully determined, by Henry Barrow's Dipping Circle, twice a week throughout the year.

The mean values of calculated dip, in the following Tables, are corrected for all instrumental errors of the Magnetometers from which the Dip is deduced.

TABLE LXXXI.—*Mean Value of Calculated Dip, for each Day of Göttingen Mean Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	19°08·2	19°20·5		19°19·3	19°18·5		19°21·6	19°08·1	19°04·5	18°58·3		19°09·9
2	·09·0		19°21·7	·19·3	·18·0	19°25·5	·20·9		·03·5	·57·7	19°15·6	·08·2
3	·08·2	·21·3	·21·5	·18·7		·24·3	·13·7	·07·9	·04·0	·56·1	·16·0	·08·4
4	·09·4	·21·4	·20·1	·19·1	·18·4	·20·4	·09·8	·07·2	·02·9		·13·9	·08·6
5		·22·3	·19·8		·18·7	·22·2		·07·0	·02·0	·56·3	·14·3	·06·8
6	·10·3	·20·5	·18·4	·18·2	·19·9	·19·5	·04·0	·06·8		·55·3	·13·0	
7	·07·7	·21·4	·17·8	·18·8	·19·3		·00·7	·06·5	·01·5	·54·9	·11·8	·06·5
8	·07·9	·20·6		·17·9	·19·9	·16·8	·00·0	·06·0	·02·0	·54·7		·08·1
9	·08·3		·15·5	·16·6	·20·3	·19·8	·03·0		·22·2	·55·1	·12·1	·07·5
10	·88·8	·21·2	·14·8	·16·6		·13·6	·03·3	·05·2	·12·2	·54·1	·13·3	·06·2
11	·08·7	·21·2	·14·1	·16·0	·22·5	·08·1	·05·8	·05·7	·08·8		·14·7	·04·2
12		·20·6	·14·2		·21·6	·04 0		·05·3	·09·9	*·55·3	·14·8	·03·9
13	·11·4	·21·7	·11·5	·17·3	·21·2	·04·7	·05·6	·04·8		·54·7	·15·8	
14	·11·9	·22·8	·11·0	·17·3	·22·7		·09·8		·00·1	·54·7	·15·5	·01·9
15	·12·6	·22·9		·17·1	·23·1	·08·4	·07·6	·05·0	·00·3	·54·0		·02·3
16	·11·6		·11·2	·18·6	·23·4	·09·8	·05·0		·00·8	·53·8	·15·2	·02·7
17	·12·6	·22·1	·11·0	·19·9		·10·2	·05·9	·07·2	·00·1	·55·6	·14·8	·01·9
18	·14·3	·21·5	·13·7	·21·0	·24·4	·08·4	·07·8	·06·6	18°59·6		·14·2	·01·3
19		·19·6	·17·6		·24·3	·07·4		·07·0	·59·7	19°02·6	·14·6	·00·9
20	·11·0	·20·8		·22·8	·22·3	·08·3	·07·6	·06·7		·08·0	·14·5	
21	·14.0	·21·5		·23·8	·23·2		·07·2	·06·4	19°04·4	·12·2	·14·9	18°59·8
22	·12·9	·21·8		·23·9	·19·9	·11·7	·08·1	·07·1	·04·0	·12·5		·57·7
23	·13·5	·23·7	·18·8	·23·0		·12·4	·09·3		·02·3	·14·4	·13·3	·57·2
24	·11·3		·18·9	·20·0		·17·0	·10·2	*·07·1	·00.8	·14·8	·13·4	·57·8
25	·11·4	·25·7	·20·2	·19·0	·18·6	·19·2	·10·2	·05·8	18°59·8		·11·7	·57·8
26		·24·9	·19·6		·20·5	·21·3		·04·6	19°00·8		·10·5	
27	·12·0	·25·5	·20·4	·18·6	·25·2	·20·3	·09·6	·04·2		·14·8	·11·0	
28	·12·9	·25·0	·17·7	·19·0	·23·0		·09·1	·04·6	·00·4	·15·1	·11·0	·56·3
29	·14·4	·23·9		·18·8	·22·1	·14·8	·08·9	·04·6	18°59·5	·15·6	·11·7	*·55·8
30	·14·5		·20·7	·19·2	·21·8	·16·2	·08·4	·04·4	·59·0	·16·3		·53·4
31	·18·8		·21·0		·23·3		·98·1			·15·8		·52·4

* This sign denotes an abnormal day, or a day on which a Magnetic Disturbance occurred.

TABLE LXXXII.—*Showing, for the Year* 1856, *the Days of Göttingen Mean Time, at which the Dip, as obtained from the Scale Readings of Large Horizontal Force and Vertical Force Magnetometers, in each Month, was at its Maximum and Minimum, in Simple Hourly Observations.*

Months, 1856.	The Calculated Dip in Simple Hourly Observations.		Mean Diurnal Range.	The time at which the Calculated Dip was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				D.	D.
January	19°14′7	19°06′8	0°07′9	2	27
February	·27·2	·15·9	·11·3	4	19
March	·25·1	·06·5	·18·6	2	14
April	·28·6	·12·1	·16·5	22	13
May.....	·29·0	·13·7	·15·3	18	25
June	·27·7	18·58·6	·29·1	2	13
July.....	·23·5	·57·0	·26·5	2	8
August.....	·07·4	19·03·5	·03·9	24	10
September	·05·5	·00·3	·05·2	21	5
October	·17·8	18·53·9	·23·9	30	3
November	·13·6	19·11·9	·01·7	29	7
December	·10·6	18·47·8	·22·8	8	31

The extreme range of the calculated dip was 0°41′2, being the difference of the values of 18th May and 31st December.

TABLE LXXXIII.—*Daily Range of the Calculated Dip, for each Day of Göttingen Mean Time, as obtained from the Uncorrected Values of Horizontal Intensity and Vertical Intensity.*

Date, 1856.	January.	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	0°10′4	0°8′4		0°7′4	0°08′4		0°3′5	0°2′1	0°3′5	0°2′8		0°3′1
2	·11·3		0°6′1	·8·2	·8·2	0°7′7	·5·3		·2·0	·2·4	0°3′6	·2·2
3	·9·2	·12·1	·7·1	·10·1		·9·1	·13·5	·3·9	·2·8	·2·7	·3·8	·2·9
4	·8·4	·8·8	·7·2	·8·6	·7·1	·9·3	·6·9	·2·9	·2·3		·3·3	·3·4
5		·9·8	·6·6		·10·1	·5·8		·2·1	·2·3	·3·1	·3·2	·2·9
6	·7·9	·8·7	·7·1	·10·2	·8·7	·6·2	·8·3	·2·6		·3·9	·3·9	
7	·9·4	·6·1	·8·4	·9·3	·9·9		·5·5	·1·9	·2·2	·2·3	·3·7	·3·8
8	·10·3	·6·9		·8·4	·8·7	·7·1	·6·2	·2·7	·2·8	·2·0		·5·7
9	·12·4		·8·4	·9·3	·8·8	·8·6	·6·1		·4·2	·2·1	·4·8	·4·5
10	·7·4	·8·8	·9·5	·8·5		·10·1	·4·6	·2·5	·3·0	·3·8	·5·4	·3·6
11	·8·3	·7·5	·8·6	·9·3	·9·8	·9·5	·3·9	·2·1	·1·9		·3·9	·3·4
12		·7·6	·6·5		·8·4	·9·5		·2·4	·2·4	·4·1	·4·1	·3·5
13	·7·8	·7·9	·8·5	·11·0	·8·6	·12·6	·7·1	·1·5		·2·7	·5·3	
14	·9·7	·8·3	·8·4	·9·8	·11·4		·7·1		·3·0	·3·5	·4·4	·3·0
15	·9·0	·8·9		·8·6	·6·8	·8·3	·5·9	·2·9	·2·4	·3·5		·3·7
16	·8·9		·7·9	·10·3	·7·9	·6·6	·4·8		·2·2	·3·8	·4·4	·3·9
17	·9·1	·8·4	·8·5	·9·4		·9·3	·3·0	·2·7	·2·9	·3·7	·4·9	·4·1
18	·9·4	·9·7	·9·2	·9·6	·9·6	·10·1	·5·3	·2·5	·2·3		·3·4	·4·3
19		·7·4	·9·4		·9·4	·9·7		·2·0	·2·3	·9·3	·4·6	·3·5
20	·7·7	·8·0		·8·1	·8·2	·10·9	·3·4	·2·5		·5·3	·3·6	
21	·9·6	·8·0		·8·5	·9·7		·2·7	·2·5	·7·7	·4·0	·3·8	·4·6
22	·9·1	·8·5		·8·7	·8·9	·9·7	·2·0	·2·0	·3·5	·6·1		·3·9
23	·8·0	·9·4	·9·7	·9·4		·10·2	·2·1		·3·3	·2·7	·3·8	·4·3
24	·6·6		·8·3	·9·9	·10·4	·11·7	·1·8	·1·3	·3·3	·2·5	·4·8	·4·2
25	·7·6	·8·8	·8·7	·9·1	·11·1	·8·0	·1·8	·3·6	·4·2		·3·7	·4·3
26		·7·6	·8·4		·7·2	·8·2		·1·9	·2·6		·2·6	
27	·9·3	·7·8	·8·9	·8·3	·6·1	·8·8	·2·6	·1·5		·3·0	·3·0	·4·4
28	·7·7	·10·6	·8·2	·8·3	·10·2		·3·0	·1·5	·2·3	·3·7	·3·0	·6·8
29	·9·4	·9·2		·7·3	·9·7	·6·2	·2·2	·2·3	·3·2	·3·5	·3·0	·4·0
30	·9·3		·9·5	·8·7	·9·0	·7·1	·3·0	·2·9	·2·2	·3·7		·6·0
31	·12·1		·8·9				·2·7			·3·9		

TABLE LXXXIV.—*Showing the Number of Instances in which the Daily Range of Computed Dip was within Certain Limits.*

Range of Computed Dip.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
Greater than 1′ and less than 2′							2	6	1				9
„ 2 „ „ 3							6	17	15	9	1	3	51
„ 3 „ „ 4							6	2	7	12	15	11	53
„ 4 „ „ 5							2		2	2	7	9	22
„ 5 „ „ 6						1	4			1	2	1	9
„ 6 „ „ 7	1	2	3		2	3	3			1		2	17
„ 7 „ „ 8	6	6	4	2	3	3	2		1				27
„ 8 „ „ 9	4	11	12	11	9	5	1						53
„ 9 „ „ 10	11	4	5	9	7	7				1			44
„ 10 „ „ 11	2	1		3	3	4							13
„ 11 „ „ 12	1			1	2	1							5
„ 12 „ „ 13	2	1				1							4
„ 13 „ „ 15							1						1

It would appear, from this Table, that out of 308 instances there were—

135 cases in which the range was greater than 1′ and less than 5′

150 „ „ 5 „ 10

23 „ „ 10 „ 15

In no case the daily range was greater than one quarter of a degree. The range was greater in Summer than in Winter; a fact nearly coincident with the preceding year's observations.

TABLE LXXXV.—*Showing the Greatest and Least Ranges of Computed Dip, in each Month of the Year* 1856.

Months, 1856.	Range of Computed Dip.		Difference.	The Day on which Range of Dip was	
	Greatest.	Least.		Greatest.	Least.
				D	D
January	12′4	6′6	5′8	9	24
February	12·1	6·1	6·0	3	7
March	9·7	6·1	3·6	23	2
April	11·0	7·3	3·3	13	29
May	11·4	6·1	5·3	14	28
June	12·6	5·8	6·8	13	5
July	13·5	1·8	11·7	3	24 & 25
August	3·9	1·3	2·6	3	24
September	7·7	1·9	5·8	21	11
October	9·3	2·0	7·3	19	8
November	5·4	2·6	2·8	10	26
December	6·8	2·2	4·6	29	2

TABLE LXXXVI.—*Showing the Mean Monthly Range of the Computed Dip.*

Months, 1856.	Mean Monthly Range of Dip.	FOR SEASONS.
January	0°9·1	
February	·8·5	
March	·8·3	
April	·9·0	Mean for Winter 0°6·3
May	·8·9	Mean for Summer 0 6·1
June	·8·8	
July	·4·6	Mean for the year 0·6·2
August	·2·4	
September	·3·0	Greatest monthly mean, in January 0°9·1
October	·3.7	Least monthly mean, in August ... 0·2·4
November	·3·9	
December	·4·0	

TABLE LXXXVII.—*Showing, for each Month, the Mean Calculated Dip, and its Periodic Changes from the Mean of the Year, as obtained from the Scale Values of Horizontal and Vertical Force Magnetometers.*

Months, 1856.	Mean Dip (calculated).	Difference from the Mean of the Year.	FOR SEASONS.
January	19°11'3	− 0'5	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter.... 19°11'8
February	19·22·7	10·9	
March	19·17·4	5·7	
April	19·17·6	5·9	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer .. 19·11·7
May	19·21·6	9·9	
June	19·14·8	3·0	
July	19·08·6	− 3·2	Mean of the year.... 19·11·8
August	19·06·2	− 5·6	
September	19·01·5	− 10·3	Greatest monthly mean, in February ..... 19·22·7
October	19·03.9	− 7·9	Least monthly mean, in September..... 19·01·5
November	19·13·7	1·9	
December	19·02·0	− 9·8	Difference..... 0·21·2

TABLE LXXXVIII.—*Mean Values of Calculated Dip, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Solar Time.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	19°07·7	19°18·9	19°13·8	19°16·2	19°18·2	19°12·4	19°08·1	19°06·1	19°01·2	19°03·2	19°12·1	19°00·7	4 12 P.M.
1	·07·9	·18·7	·13·7	·16·2	·18·2	·12·4	·08·2	·06·4	·01·3	·03·1	·12·4	·01·0	5 12 „
2	·08·5	·20·0	·14·4	·16·7	·19·0	·12·6	·07·8	·06·4	·01·7	·03·2	·13·0	·01·8	6 12 „
3	·09·6	·21·0	·15·5	·17·7	·20·1	·13·2	·08·4	·06·6	·02·1	·03·4	·13·4	·02·2	7 12 „
4	·10·3	·21·8	·16·6	·18·5	·21·1	·14·1	·08·7	·06·6	·02·1	·03·6	·13·7	·02·5	8 12 „
5	·10·8	·22·2	·17·2	·19·7	·21·8	·14·7	·08·8	·06·7	·02·1	·03·9	·13·7	·02·5	9 12 „
6	·11·4	·23·2	·17·7	·20·4	·22·6	·15·2	·09·1	·06·8	·02·1	·04·2	·14·0	·02·6	10 12 „
7	·12·2	·23·3	·18·3	·21·2	·23·2	·16·0	·09·1	·06·7	·01·9	·04·1	·14·0	·02·7	11 12 „
8	·12·4	·23·6	·18·8	·21·6	·23·6	·16·4	·09·3	·06·7	·01·9	·04·2	·14·2	·02·7	Midnight.
9	·12·8	·24·0	·19·4	·22·0	·24·0	·16·4	·09·3	·06·5	·02·2	·04·3	·14·5	·02·7	1 12 A.M.
10	·13·2	·24·3	·19·6	·22·3	·24·1	·16·7	·09·5	·06·5	·01·8	·04·5	·14·6	·02·8	2 12 „
11	·13·6	·24·8	·19·9	·22·4	·24·6	·17·2	·09·5	·06·5	·01·8	·04·7	·14·7	·02·9	3 12 „
12	·14·0	·25·2	·20·1	·22·7	·24·6	·17·4	·09·6	·06·7	·01·7	·04·7	·14·8	·02·9	4 12 „
13	·14·4	·25·5	·20·4	·23·0	·25·0	·17·8	·09·8	·06·7	·01·9	·04·8	·14·9	·03·0	5 12 „
14	·14·6	·25·7	·20·7	·23·8	·25·5	·18·3	·10·0	·06·8	·02·1	·05·1	·14·8	·02·9	6 12 „
15	·15·3	·26·0	·21·3	·24·0	·25·2	·18·3	·09·8	·06·8	·02·3	·05·1	·15·1	·03·1	7 12 „
16	·15·6	·26·5	·20·9	·22·8	·23·5	·17·0	·09·2	·06·3	·01·8	·04·3	·14·6	·03·0	8 12 „
17	·14·0	·25·3	·19·2	·20·3	·21·5	·15·1	·08·5	·05·7	·01·0	·03·4	·13·9	·02·3	9 12 „
18	·11·0	·23·4	·16·8	·17·7	·19·8	·13·6	·07·7	·05·2	·00·3	·02·7	·12·9	·01·1	10 12 „
19	·09·5	·21·7	·15·2	·16·4	·18·8	·12·3	·07·3	·05·1	·00·1	·02·5	·12·7	·00·4	11 12 „
20	·08·8	·20·5	·14·5	·15·9	·18·2	·12·0	·07·9	·05·1	·00·1	·03·0	·13·0	·00·6	Noon.
21	·08·8	·20·2	·14·7	·16·3	·18·5	·12·0	·07·1	·05·1	·00·4	·03·5	·13·0	·00·7	1 12 P.M.
22	·08·5	·19·8	·14·5	·16·3	·18·6	·12·6	·07·2	·05·3	·00·6	·04·0	·12·7	·00·5	2 12 „
23	·08·3	·19·3	·14·2	·16·0	·18·4	·12·3	·07·5	·05·9	·01·1	·04·1	·12·5	·00·7	3 12 „

TABLE LXXXIX.—*Showing, for the Year* 1856, *the Hours of Göttingen Mean Solar Time at which the Mean Hourly Value of Calculated Dip, in each Month, was at its Maxima and Minima.*

Months, 1856.	Mean Hourly Value of Calculated Dip.						Mean Diurnal Range.	The Times at which the Mean Hourly Value of Calculated Dip was at its					
	Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.	Evening Maximum.		Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.	Evening Maximum.
January	19°07·7			19°15·6			0°07·9	Noon			16		
February	·18·7			·26·5			·07·8	1			16		
March	·13·7			·21·3	19°14·5	19°14·7	·07·6	1			15	20	21
April	·16·0			·24·0	·15·9	·16·3	·08·1	23			15	20	21
May	·18·2			·25·5	·18·2	·18·6	·07·3	1			14	20	22
June	·12·3			·18·3	·12·0	·12·6	·06·3	23			15	20	22
July	·07·8			·10·2	·07·3	·07·9	·02·9	2			14	19	20
August		19°06·7	19°06·5	·06·8	·05·1		·01·7		8	11	15	21	
September		·02·2	·01·7	·02·3	·00·1		·02·2		9	12	15	20	
October	·03·1			·05·1	·02·5	·04·1	·02·6	1			15	19	23
November	·12·1			·15·1	·12·7	·12·5	·02·4	Noon			15	19	23
December				·03·1	·00·4		·02·7				15		

TABLE XC.—*Showing, for the Year* 1856, *the Mean Values of Calculated Dip, for each Hour of Göttingen and Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Göttingen Mean Solar Time.	Bombay Civil Time.	Mean Values of Calculated Dip in			Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
		Winter.	Summer.	Mean Annual.		
	H. M.					
Noon.	4 12 P. M.	19°09′4	19°10′4	19°09′9	−0°02′0	
1	5 12 „	·09·5	·10·4	·09·9	− ·02·0	
2	6 12 „	·10·1	·10·7	·10·4	− ·01·5	
3	7 12 „	·10·8	·11·7	·11·2	− ·00·7	
4	8 12 „	·11·4	·11·9	·11·6	− ·00·3	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night 19°12′9
5	9 12 „	·11·7	·12·3	·12·0	·00·1	
6	10 12 „	·12·2	·12·7	·12·4	·00·5	
7	11 12 „	·12·4	·13·0	·12·7	·00·8	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day 19·10·9
8	0 12 A. M.	·12·6	·13·2	·12·9	·01·0	
9	1 12 „	·12·9	·13·4	·13·1	·01·2	Mean ..... 19·11·9
10	2 12 „	·13·2	·13·5	·13·3	·01·4	
11	3 12 „	·13·4	·13·7	·13·5	·01·6	
12	4 12 „	·13·6	·13·8	·13·7	·01·8	
13	5 12 „	·13·8	·14·0	·13·9	·02·0	
14	6 12 „	·14·0	·14·4	·14·2	·02·3	
15	7 12 „	·14·3	·14·4	·14·3	·02·4	
16	8 12 „	·14·1	·13·4	·13·6	·01·7	TIMES OF MEAN MAXIMUM AND MINIMUM.
17	9 12 „	·13·0	·12·0	·12·5	·00·6	G.M.T. B.C.T.
18	10 12 „	·11·3	·10·7	·11·0	− ·00·9	A maximum at about 15 or 7 A. M.
19	11 12 „	·10·3	·10·0	·10·1	− ·01·8	A minimum at about Noon or 4 P. M.
20	0 12 P. M.	·10·1	·09·9	·10·0	− ·01·9	
21	1 12 „	·10·1	·09·9	·10·0	− ·01·9	
22	2 12 „	·10·0	·10·1	·10·0	− ·01·9	
23	3 12 „	·09·9	·10·2	·10·0	− ·01·9	

TABLE XCI.—*Excess of the Mean Hourly Values of Calculated Dip above the Mean Monthly Dip.*

Göttingen Mean Solar Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	−0°03′6	−0°03′8	−0°03′6	−0°03′4	−0°03′4	−0°02′4	−0°00′5	−0°00′1	−0°00′3	−0°00′7	−0°01′6	−0°01′3	4 12 P.M.
1	− ·03·4	− ·04·0	− ·03·7	− ·03·4	− ·03·4	− ·02·4	− ·00·4	·00·2	− ·00·2	− ·00·8	− ·01·3	− ·01·0	5 12 „
2	− ·02·8	− ·02·7	− ·03·0	− ·02·9	− ·02·6	− ·02·2	− ·00·8	·00·2	·00·2	− ·00·7	− ·00·7	− ·00·2	6 12 „
3	− ·01·7	− ·01·7	− ·01·9	− ·01·9	− ·01·5	− ·01·6	− ·00·2	·00·4	·00·6	− ·00·5	− ·00·3	·00·2	7 12 „
4	− ·01·0	− ·00·9	− ·00·8	− ·01·1	− ·00·5	− ·00·7	·00·1	·00·4	·00·6	− ·00·3	·00·0	·00·5	8 12 „
5	− ·00·5	− ·00·5	− ·00·2	·00·1	− ·00·2	− ·00·1	·00·2	·00·5	·00·6	·00·0	·00·0	·00·5	9 12 „
6	·00·1	·00·5	·00·3	·00·8	·01·0	·00·4	·00·5	·00·6	·00·6	·00·3	·00·3	·00·6	10 12 „
7	·00·9	·00·6	·00·9	·01·6	·01·6	·01·2	·00·5	·00·5	·00·4	·00·2	·00·3	·00·7	11 12 „
8	·01·1	·00·9	·01·4	·02·0	·02·0	·01·6	·00·7	·00·5	·00·4	·00·3	·00·5	·00·7	Midnight.
9	·01·5	·01·3	·02·0	·02·4	·02·4	·01·6	·00·7	·00·3	·00·7	·00·4	·00·8	·00·7	1 12 A.M.
10	·01·9	·01·6	·02·2	·02·7	·02·5	·01·9	·00·9	·00·3	·00·3	·00·6	·00·9	·00·8	2 12 „
11	·02·3	·02·1	·02·5	·02·8	·03·0	·02·4	·00·9	·00·3	·00·3	·00·8	·01·0	·00·9	3 12 „
12	·02·7	·02·5	·02·7	·03·1	·03·0	·02·6	·01·0	·00·5	·00·2	·00·8	·01·1	·00·9	4 12 „
13	·03·1	·02·8	·03·0	·03·4	·03·4	·03·0	·01·2	·00·5	·00·4	·00·9	·01·2	·01·0	5 12 „
14	·03·3	·03·0	·03·3	·04·2	·03·9	·03·5	·01·4	·00·6	·00·6	·01·2	·01·1	·00·9	6 12 „
15	·04·0	·03·3	·03·9	·04·4	·03·6	·03·5	·01·2	·00·6	·00·8	·01·2	·01·4	·01·1	7 12 „
16	·04·3	·03·8	·03·5	·03·2	·01·9	·02·2	·00·6	·00·1	·00·3	·00·4	·00·9	·01·0	8 12 „
17	·02·7	·02·6	·01·8	·00·7	− ·00·1	·00·3	− ·00·1	− ·00·5	− ·00·5	− ·00·5	·00·2	·00·3	9 12 „
18	− ·00·3	·00·7	− ·00·6	− ·01·9	− ·01·8	− ·01·2	− ·00·9	− ·01·0	− ·01·2	− ·01·2	− ·00·8	− ·00·9	10 12 „
19	− ·01·8	− ·01·0	− ·02·2	− ·03·2	− ·02·8	− ·02·5	− ·01·3	− ·01·1	− ·01·4	− ·01·4	− ·01·0	− ·01·6	11 12 „
20	− ·02·5	− ·01·2	− ·02·9	− ·03·7	− ·03·4	− ·02·8	− ·00·7	− ·01·1	− ·01·4	− ·00·9	− ·00·7	− ·01·4	Noon.
21	− ·02·5	− ·02·5	− ·02·7	− ·03·3	− ·03·1	− ·02·8	− ·01·5	− ·01·1	− ·01·1	− ·00·4	− ·00·7	− ·01·3	1 12 P.M.
22	− ·02·8	− ·02·9	− ·02·9	− ·03·3	− ·03·0	− ·02·2	− ·01·4	− ·00·9	− ·00·9	− ·00·1	− ·01·0	− ·01·5	2 12 „
23	− ·03·0	− ·03·4	− ·03·2	− ·03·4	− ·03·2	− ·02·5	− ·01·1	− ·00·3	− ·00·4	− ·00·2	− ·01·2	− ·01·3	3 12 „

TOTAL INTENSITY OF THE EARTH.

This Element was deduced from Horizontal Intensity and Dip, both corrected for Instrumental errors.

The Values of Total Force thus obtained were further corrected for the effects of External and Free Air; the corrections being the same as for Horizontal Intensity.

TABLE XCII.—*Showing, for each Month, the Mean Value of Total Intensity, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Monthly Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	
January	8·494	0·005	
February	·503	·014	Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter .. 8·490
March	·496	·007	
April	·494	·005	
May	·495	·006	Mean of {Apr. May, June, / July, Aug. Sept.} or Summer.. 8·488
June	·487	– ·002	
July	·494	·005	Mean of the year .... 8·489
August	·484	– ·005	
September	·474	– ·015	Greatest monthly mean, in February ..... 8·503
October	·475	– ·014	Least monthly mean, in September ..... 8·474
November	·492	·003	
December	·481	– ·008	Difference ..... 0·029

TABLE XCIII.—*Showing, for the Year* 1856, *the Mean Values of Total Intensity, for each Hour of Göttingen Mean Solar and Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Solar Time.	Bombay Civil Time.	Mean Values of Total Intensity.			Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
		Winter.	Summer.	Mean Annual.		
	H. M.	En. Un.	En. Un.	En. Un.	En. Un.	
Noon.	4 12 P. M.	8·489	8·488	8·489	0·000	
1	5 12 „	·487	·484	·486	– ·003	
2	6 12 „	·484	·488	·486	– ·003	
3	7 12 „	·484	·484	·484	– ·005	En. Un.
4	8 12 „	·483	·483	·483	– ·006	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night 8·485
5	9 12 „	·484	·483	·483	– ·006	
6	10 12 „	·484	·483	·483	– ·006	
7	11 12 „	·484	·485	·484	– ·005	
8	0 12 A. M.	·485	·485	·485	– ·004	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day 8·493
9	1 12 „	·486	·485	·485	– ·004	
10	2 12 „	·486	·486	·486	– ·003	
11	3 12 „	·486	·486	·486	– ·003	Mean..... 8·489
12	4 12 „	·487	·486	·487	– ·002	
13	5 12 „	·487	·486	·487	– ·002	
14	6 12 „	·489	·487	·488	– ·001	
15	7 12 „	·489	·488	·489	·000	
16	8 12 „	·493	·491	·492	·003	TIMES OF MEAN MAXIMUM AND MINIMUM.
17	9 12 „	·498	·494	·496	·007	
18	10 12 „	·501	·497	·499	·010	G.M.T. B.C.T.
19	11 12 „	·502	·497	·500	·011	A maximum at about 19 or 11 A. M.
20	0 12 P. M.	·500	·497	·499	·010	A minimum at about 4 or 8 P. M.
21	1 12 „	·497	·495	·496	·001	
22	2 12 „	·495	·493	·494	·005	
23	3 12 „	·493	·490	·492	·003	

TABLE XCIV.—*Showing, for each Month, the Mean Values of Total Intensity, corrected for the Effects of External and Free Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Monthly Values.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	
January	8·500	0·012	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.... En. Un. 8·493
February	·508	·020	
March	·493	·005	
April	·486	– ·002	Mean of {April, May, June, July, Aug. Sept.} or Summer... 8·483
May	·484	– ·004	
June	·482	– ·006	Mean of the year..... 8·488
July	·492	·004	
August	·483	– ·005	
September	·474	– ·014	Greatest monthly mean, in February ..... 8·508
October	·474	– ·014	Least monthly mean, in Sept. and Oct..... 8·474
November	·494	·006	
December	·489	·001	Difference.... 0·034

TABLE XCV.—*Showing, for the Year* 1856, *the Mean Values of Total Intensity, corrected for the Effects of External and Free Air, for each Hour of Göttingen Mean and Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Solar Time.	Bombay Civil Time.	Mean Hourly Values of Total Intensity corrected.		Mean Hourly Values of Total Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
		Winter.	Summer.			
	H. M.	En. Un.	En. Un.	En. Un.	En. Un.	
Noon.	4 12 P. M.	8·481	8·479	8·480	–0·009	
1	5 12 „	·483	·479	·481	– ·008	
2	6 12 „	·485	·479	·482	– ·007	En. Un.
3	7 12 „	·486	·481	·483	– ·006	Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night.. 8·488
4	8 12 „	.487	·480	·483	– ·006	
5	9 12 „	·489	·482	·485	– ·004	
6	10 12 „	·491	·481	·486	– ·003	Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day.. 8·490
7	11 12 „	·492	·483	·487	– ·002	
8	0 12 A. M.	·493	·484	·488	– ·001	Mean..... 8·489
9	1 12 „	·495	·486	·490	·001	
10	2 12 „	·496	·486	·491	·002	
11	3 12 „	·496	·486	·491	·002	
12	4 12 „	·498	·488	·493	·004	
13	5 12 „	·499	·488	·494	·005	TIMES OF MEAN MAXIMUM AND MINIMUM.
14	6 12 „	·502	·490	·496	·007	
15	7 12 „	·500	·488	·494	·005	In Winter. G.M.T. B.C.T.
16	8 12 „	·499	·488	·493	·004	A maximum at about 14 or 6 A. M.
17	9 12 „	·500	·492	·496	·007	A minimum at about Noon or 4 P. M.
18	10 12 „	·500	·492	·496	·007	
19	11 12 „	·498	·492	·495	·006	In Summer.
20	0 12 P. M.	·494	·488	·491	·002	
21	1 12 „	·489	·485	·487	– ·002	A maximum at about 18 or 10 A. M.
22	2 12 „	·486	·482	·484	– ·005	A minimum at about 1 or 5 P. M.
23	3 12 „	·482	·481	·481	– ·008	

SUMMARY OF THE MAGNETIC RESULTS.

The present Summary has been principally abstracted from the mean values of all the magnetic elements given in the preceding pages. Assuming the values given in the preceding Tables as correct, the present Summary indicates the general character of all the magnetic elements at Bombay.

From the constancy of the mid-day maximum of horizontal force, and minimum of declination in the afternoon, it would appear that the magnetism of the Earth is affected by solar heat.

The changes which occur during the day-time are quite perceptible, but those of the night are not so; this phenomenon is also extracted from the daily observations of the magnetic elements. It also proves that the magnetism is affected by solar heat.

DIURNAL CHANGES.

In the following figures the sign + denotes maximum, and the sign — denotes minimum.

Declination	+24	−2	+3	−4	+10	−13	+16	−20
Horizontal force	−24	+3	−5	*	*	+13	−16	+18
Vertical force	+24	−1	*	*	+8	−9	+15	−23
Dip (deduced)	−24	*	*	+8	−10	+15	−20	+22
Total force	*	*	−4	*	*	*	*	+19

It would appear, from the signs of the first three elements, that the Earth sustains a slight loss of magnetism by solar heat during the day, or the moments of magnetic bars are, to a small amount, altered by the solar light.

TABLE XCVI.—*Showing the Changes of all the Magnetic Elements during the Year* 1856, *reduced from the separate Results of each Element in the preceding pages.*

The Five Magnetic Elements.	Diurnal Ranges.			Periodic Ranges.			Difference of Absolute Values between Day and Night.		
	Summer.	Winter.	Mean Range.	Mean Value in Summer.	Mean Value in Winter.	Annual Mean.	Mean Value for Day.	Mean Value for Night.	Difference.
Declination (in arc)....	0°4′176	0°1′772	0°2′974	0°18′719	0°19′125	0°18′922	0°18′836	0°19′000	0°0′164
Horizontal Force, En. Un.	0·0158	0·0181	0·0169	8·0161	8·0176	8·0168	8·0213	8·0125	0·0088
Vertical Force, En. Un..	2·7910	2·7919	2·7914	2·7910	2·7919	2·7914	2·7910	2·7916	0·0006
Deduced Dip (in arc)..	0·04·5	0·04·9	0·04·6	19·11·7	19·11·8	19·11·8	19·10·9	19·12·9	0·02·0
Total Force, En. Un...	0·014	0·018	0·016	8·488	8·490	8·489	8·493	8·485	0·008

It appears, from this Table, that the diurnal ranges of all the magnetic elements, except the declination, were smaller in Summer than in Winter. All the elements were larger in Winter than in Summer. The mean hourly values of all the elements were larger at night than in the day.

MAGNETIC DISTURBANCES.

During the year 1856 there were only three days which were considered as abnormal in finding out the Magnetic Results.

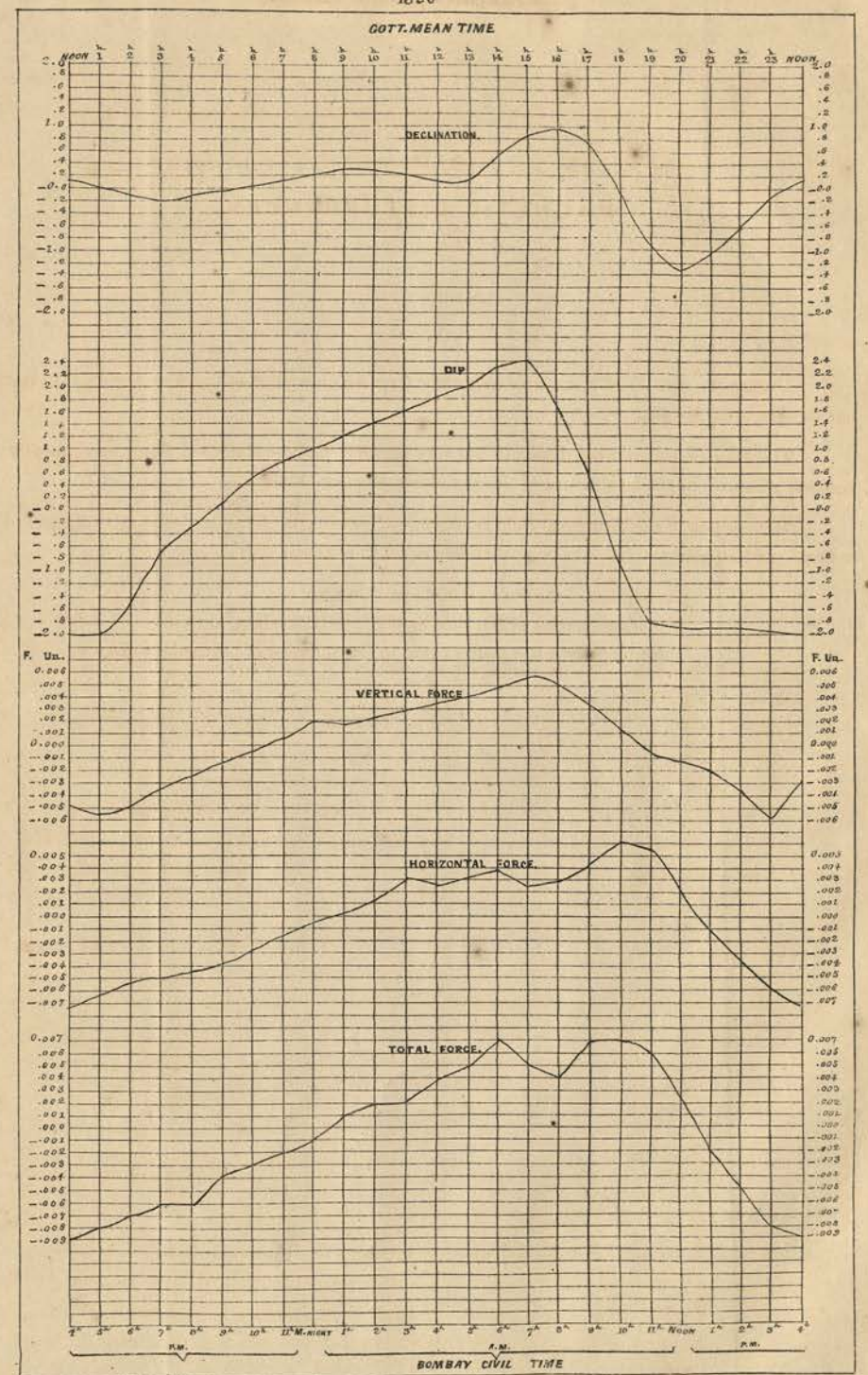
The Magnetometers were disturbed but very slightly on these abnormal days, consequently no accurate measures might be obtained of the disturbing Magnetic Pole.

The position of the Disturbing Pole is determined by using the formulæ described in the preceding volumes, and assuming χ and Ψ to be respectively equal to 8·02 and 0°19′.

Declination of the Pole — 5°26′, or 5°26 west.
Dip or Inclination of the Pole — 0°23′, or 0°23′ above horizon.
Disturbing force was nearly equal to the variation of horizontal intensity.

DIURNAL CHANGES OF THE MAGNETIC ELEMENTS.

1856

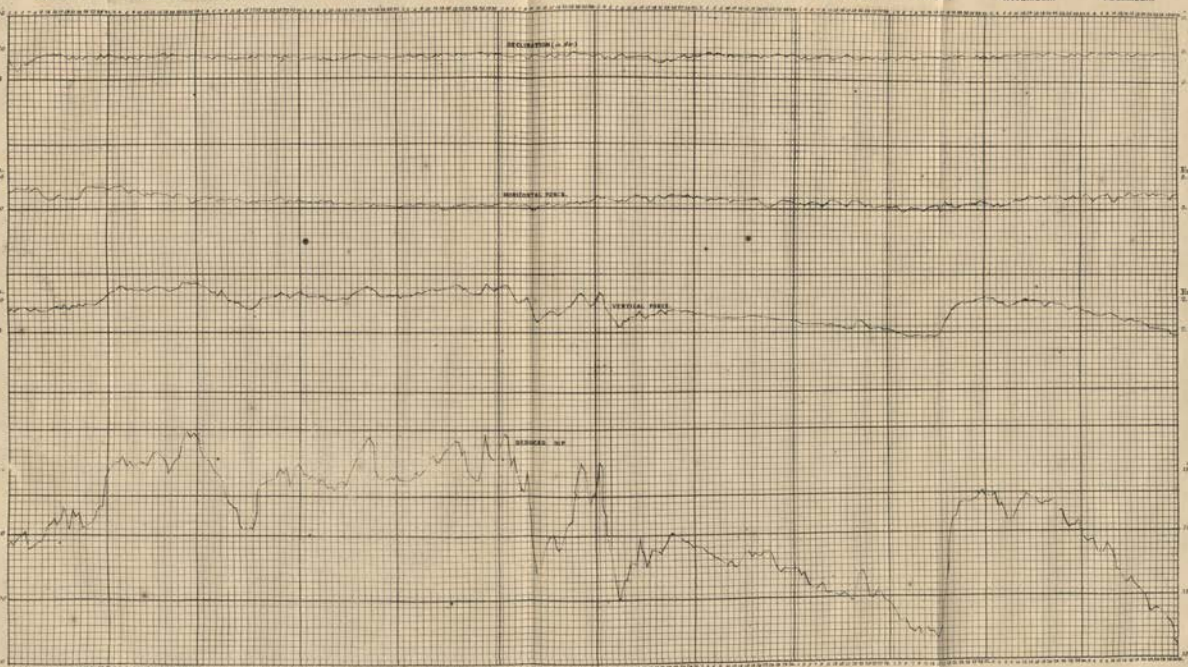


Drawn by S. Cassinathaett. 1858.

Arranged & Carved by Goverdhun L. C. 1st Assist M.D.

CURVES exhibiting the principal MAGNETICAL PHENOMENA, in the Year, 1850

JANUARY. FEBRUARY. MARCH APRIL. MAY. JUNE. JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER.



JANUARY. FEBRUARY. MARCH APRIL. MAY. JUNE. JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER.

BOMBAY MAGNETICAL OBSERVATORY.

PART II.

METEOROLOGICAL OBSERVATIONS.

1856.

INTRODUCTION TO THE METEOROLOGICAL OBSERVATIONS

FOR 1856.

BAROMETERS.

THROUGHOUT the year 1856, two Standard Barometers (by Newman, of London), marked Nos. 58 and 48, were observed, and the observations of each were duly registered. As both Barometers are exactly of the same construction, and are fixed side by side, in wooden brackets, to the east wall of the Magnetic Observatory, a description of Barometer No. 58, as given in the Volume for 1852, will answer for both instruments.

The observations show that both Barometers acted simultaneously throughout the year; and that each reading of Barometer No. 48 is about 0·013 higher than each reading of No. 58, consequently no results were deduced from the former Barometer.

The verticality of the Barometer is frequently examined.

The height of the surface of the mercury in the cistern above the floor of the Magnetic Observatory is 4 feet 6 inches, and above the mean level of the sea 37·5 feet. This measurement is founded upon levellings made by Professor Pole, of the Elphinstone Institution, in 1845.

Every observation of the Barometer has been corrected for temperature to 32° Fahr., by the application of the corrections contained in the "Tables for Barometers whose Scales are engraved upon Brass," as given in the "Royal Society's Report for 1840."

THERMOMETERS.

All the Thermometers during the year 1856 were observed within a shed, which is about 38 feet distant from the SE. angle of the Large Magnetic Observatory. The construction of the shed is described in the Volume for 1852.

The Temperature of the Air was determined by one of Newman's Standard Thermometers. It is suspended from the roof of the shed to about five feet above the ground; a table is placed under it, with a view of preventing any radiation from the surface of the ground affecting its bulb.

The Temperature of the stratum of air in contact with the ground was measured from the beginning of the year to the 8th of February by one of Newman's Thermometers, which was described in the Introduction of the preceding year. From the 8th to the 18th February (inclusive) the Temperature was measured by another Newman's Standard Thermometer. After the 18th instant a common bath Thermometer was used for ascertaining the Temperature of Air in contact with the surface of ground; it has a brass scale divided to two degrees. The length of 10 degrees is 0·32 inch. Its bulb is 0·41 inch in diameter, and lies exposed to the free currents of air within the Therm ometer shed.

The comparisons made during the year 1856 between the bath Thermometer and the Observatory Standard showed that the readings of the former between 60° and 90° were lower than the readings of the latter by about 1°8.

THERMOMETER SUPPOSED TO MEASURE THE AIR CONFINED IN THE OBSERVATORY is the Thermometer attached to the Large Horizontal Force Magnetometer. The bulb is within the box; and it is therefore supposed to measure the temperature of the confined air induced from the free and external air.

THERMOMETER SUNK SIX INCHES BELOW THE SURFACE OF THE GROUND is exactly similar to that which measures the temperature of external and free air. The place in which it is sunk is nearly in the centre of the ground, within the Thermometer shed; the soil about it is composed of red earth and a portion of decomposed trap gravel.

THERMOMETERS SUNK TWENTY AND SIXTY INCHES BELOW THE SURFACE OF THE GROUND are Mercurial Thermometers, by Newman, the construction of which is given in the Introduction to the Volume for 1851, page v.

WET BULB THERMOMETER.—The Temperature of Evaporation was observed with one of the bulbs of Newman's Wet Bulb Thermometer, which is described in the Volume for 1854. A gauze-wire cover is placed over the instrument to prevent birds, &c. disturbing the instrument from the water which is placed near it.

From the Temperature of External and Free Air, and the Temperature of Evaporation, the following quantities have been deduced:—

1. Pressure of Moisture.
2. Humidity of Air.
3. Temperature of Dew-Point.
4. Weight, in grains, of a cubic foot of Air.
5. Weight, in grains, of Moisture in a cubic foot of Air.
6. Weight required for complete Saturation of a cubic foot of Air.
7. Pressure of Dry Air.
8. Evaporation.

The following Table, from which these different quantities were found, has been extracted principally from the Introduction to the Greenwich Magnetical and Meteorological Observations of 1845, and from Hygrometric Tables published by Professor Orlebar in 1846:—

Temperature, Fahr.	Force of Vapour corresponding to the Temperature, Fahr.	Weight of a Cubic Foot of Common Air.			Weight of Moisture in a Cubic Foot of Air.		
		Weight.	Correction.		Weight.	Correction when Weight = 10 grs.	
			Standard Barometer.	Correction.		Depression of Dew-Point.	Correction.
	in.	grs.	in.	grs.	grs.		grs.
40°	0·264	552	29·1	−20	3·1	0°	−0·0
45	0·314	546	·2	−18	3·6	2	−0·0
50	0·374	540	·3	−16	4·3	4	−0·1
55	0·442	534	·4	−14	5·0	6	−0·1
60	0·523	528	·5	−10	5·9	8	−0·2
65	0·617	522	·6	− 8	6·9	10	−0·2
70	0·726	517	·7	− 6	8·0	12	−0·2
75	0·854	511	·8	− 4	9·3	14	−0·3
80	1·001	504	·9	− 2	10·8	16	−0·3
85	1·172	498	30·0	− 0	12·5	18	−0·3
90	1·367	493	·1	+2	14·5	20	−0·4

1. *Pressure of Moisture.*

This quantity was determined by means of Dr. Apjohn's formula, taking the mean yearly barometric pressure = 29·8 inches:—

$$f'' = f' - d \times 0{\cdot}0114$$

in which f'' represents the Pressure of Moisture, or the Force of Vapour at the temperature of Dew-Point;

f' represents the Force of Vapour at the temperature of evaporation;

d represents the Depression of Wet Bulb Thermometer.

2. *Temperature of Dew-Point*

Was at once deduced from the Pressure of Moisture, for the Force of Vapour at the Dew-Point is the Pressure of Moisture.

3. *Humidity of Air*

Was found from the Pressure of Moisture and Tension of Vapour, at the temperature of external and free air, by means of the following formula $H = \frac{f''}{f}$, in which H denotes the Humidity of Air, f'' represents the force of Vapour at the temperature of Dew-Point, f represents the Tension of Vapour at the temperature of the air.

4. *Weight, in Grains, of a Cubic Foot of Air*

Was determined by finding the weight at the temperature of external and free air, and correcting it for barometric height; the correction for humidity, being small, was neglected.

5. *Weight, in Grains, of Moisture in a Cubic Foot of Air*

Was derived by finding the weight of Moisture at the temperature of Dew-Point, and subtracting from it the proportional correction for the depression of Dew-Point.

6. *Weight required for complete Saturation of a Cubic Foot of Air*

Was determined by subtracting the weight of Moisture as obtained by the last method No. 5 from the weight of Moisture at the temperature of external and free air.

7. *Pressure of Dry Air.*

If the pressure of moisture be subtracted from the height of Barometer corrected for Temperature, the remainder is considered to be the pressure of Dry Air.

8. *Evaporation.*

The mean quantity of evaporation for each day was calculated by subtracting the force of Vapour at the mean temperature of Dew-Point from the force of Vapour at the mean temperature of air for that day.

All these quantities, which have thus been calculated, are given in the Meteorological Results; a detailed account of the method of calculating these elements is given in the preceding Volumes.

As an example.—Let the temperature of air be 80°, the temperature of evaporation 72°, and the height of Standard Barometer (corrected) 29·7 in.; required the different quantities.

1. Pressure of Moisture	0·684
2. Temperature of Dew-Point	68°01
3. Humidity of Air	0·68
4. Weight of a Cubic foot of Air	498 gr.
5. Weight of Moisture in a Cubic foot of Air	7·3 gr.
6. Weight of Water required for complete saturation of a Cubic foot of Air	3·5 gr.
7. Pressure of Dry Air	29·016 in.
8. Quantity of mean Evaporation in 24 hours =	0·316 in.

The Direction of Wind

Is self-registered by one of Newman's Anemometers, moved by a pendulum clock which is fixed in the western wall of the Transit-room in the Astronomical Department. The Force of Wind is also registered by a pencil, connected by means of a copper wire, &c., with a sheet of copper-plate placed immediately beneath the vane. The paper upon which the direction and force of wind are registered is changed every day at noon.

31*st March* 1856.—Observations were taken for ascertaining the accuracy of the force of wind indicated by the pencil which is connected with the copper-plate at the

top of the instrument. The results showed that no correction was necessary for the self-registered force of wind.

The Force of the Wind on all ordinary occasions

Is measured at each hourly observation, by estimation or by Lynd's Wind-Gauge. The tube is of equal diameter with the orifice where the wind enters, and the pressure of the wind corresponding to the height at which the column of water rises is ascertained by the table given in the Report of the Committee of the Royal Society for 1840, page 84.

All high winds, such as storms, gusts, or any pressure exceeding two pounds, were taken from the register made by the pressure-plate of Osler's Self-registering Wind-Gauge.

Rain

Was measured by two Rain Gauges, marked No. 1 (Newman's) and No. 2 (Osler's).

Rain-Gauge No. 1, or Newman's, is a copper funnel, whose diameter is twelve inches; its exposed area consequently is 113 square inches. The water passes into a cylinder, and raises a copper float, to which a deal rod, graduated to 0·01 of an inch, is fixed, and held upright by means of a light brass rod placed horizontally across the upper rim of the funnel.

The Rain-Gauge No. 2 is connected with Osler's Anemometer. It is about 65 feet above the mean level of the sea, and it exposes to the rain an area of 200 square inches, as its horizontal dimensions are 10 by 20 inches. Its surface is 6 feet above the outside of the roof of the Transit-room of the Astronomical Observatory.

For a description of Rain-Gauges and the Wind Anemometers, see the Introduction to the Volume for 1848.

Weather.

The whole sky covered with clouds is estimated as 8, and the complete absence of clouds as "clear." The motion of the clouds is determined as follows: The walls of the Magnetical Observatory are in the meridian and prime vertical, so that when a cloud is passing the zenith, the observer takes his stand at one of the angles of the Observatory, and at once determines its motion relative to the position of the Observatory.

The nomenclature adopted is that of Mr. Howard, with some combinations, set down under the following symbols:—

Cirrus.	Cumulo-stratus.	Hem. Hemisphere.
Cumulus.	Nimbus.	Hor. Horizon.
Stratus.	Cirri.	Zth. Zenith.
Cirro-cumulus.	Cumuli.	H. Hour.
Cirro-stratus.	Strati.	M. Minute.
		S. Second.

TIDAL OBSERVATIONS.

These are registered by self-registering apparatus, moved by a pendulum clock, which is fixed upon a strong wooden table, in a small building to the east of the Observatory compound (enclosure), close to the sea-shore.

Underneath the wooden floor of the Tide-house is a well, 22 feet deep, and 18 by 12 feet in area, in which is fixed an iron syphon pipe, and in the longer leg of this pipe moves the float in communication with the self-registering apparatus. There is always a quantity of water in this well, which oozes up through the ground at its bottom, at each tide.

The water from the sea is conducted into the syphon by means of cast-iron pipes, united to each other by socket-joints, which are laid down across the shore, and extend out about 780 feet, to within a foot below the level of low-water mark.

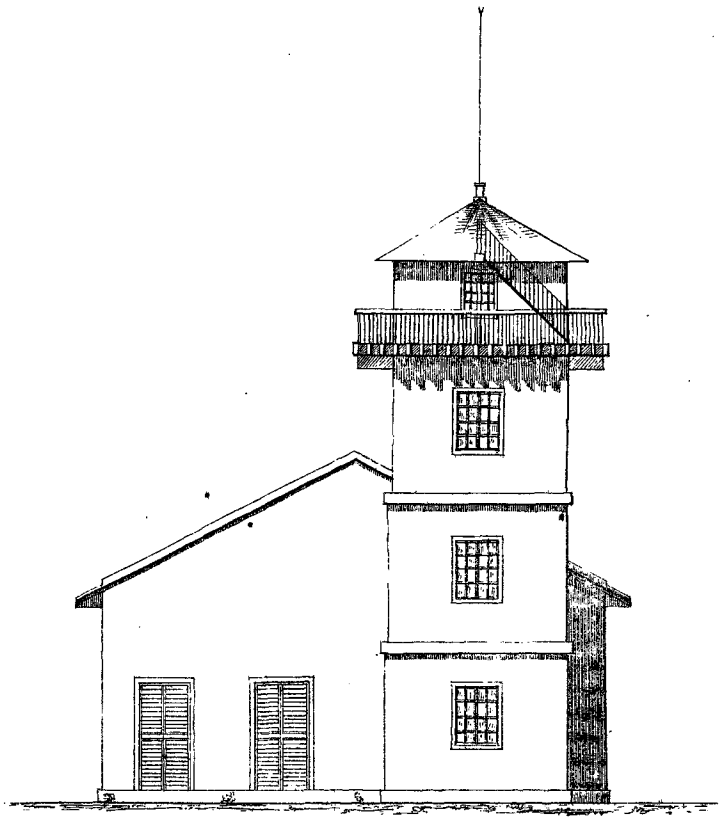
The highest tides come up nearly to the sea wall of the Observatory compound, or within a foot of the east wall of the Tide-house. As far as the conducting pipe extends the shore is rocky and gradually descends, since the trap beds dip towards the sea in the deep channel which forms the entrance to Bombay Harbour, and which lies between Colaba and the Prongs on the west side, and the Island of Caranjah and Angria's Colaba on the east side. This gauge, therefore, indicates neither the tide of the open sea nor that of the Bombay Harbour, but something between the two.

This instrument is considered next to useless, as it works under manifold disadvantages; in some instances the air-cock goes out of order; in some the lower cock becomes sluggish in its movements by constant effect of salt water over the iron cylinder of which the cock is made; in some cases the registry is partially broken by irregular movements of the clock, which is also affected by the salt vapour.

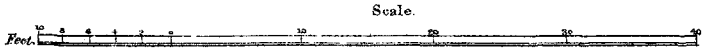
ELECTRICAL APPARATUS.

The new Electrical House adjoins the Magnetical Observatory on the eastern side, to which communication is had by a venetian door; it is 10 feet square in the interior, and 41 feet high to the eaves of the roof; the walls are of red brick, and gradually diminish in thickness at each story as the building ascends; they are two feet thick at the first floor, and plastered both inside and out.

The house consists of three stories ascended by open ladders, with hand-rail on each floor; on the ground floor there are three windows and one door; on the first story three windows; on the second story four windows; on the third or top story three windows and a glass door, the latter opening out on a railed gallery 3 feet wide, which extends round the building on a level with the top floor. From this gallery access is had to the roof by a fixed ladder and hand-rail. The pitch of the roof is 45 feet



Scale.



Eastern View of New Electrometer Tower

built in 1853 & used in 1856,

for description &c. Vide Part II Vol for 1856.

Drawn by Succaram C. Sett.

above the ground, and the conductor 57 feet. The roof is well dammered or pitched, and covered with numba or stout Indian felt, which is again covered over with stout canvas painted white. On this roof there is a sloping platform of wood to allow a person to have access to the main conductor of the Electrometer for the purpose of adjustment, &c.

On the third flooring is placed the whole of the Electrical Apparatus on a platform of woodwork about 3 feet above the floor. This platform, which is ascended by small steps, is also intended for the observer to stand on when any extraordinary observations of Electricity are to be taken.

All explanations relative to the instruments, &c. used in the Electrometer having been given in former Volumes, it is not necessary to repeat them here.

On the ground floor, which is of stone, is placed a table, surmounted by a blackwood slab of an oval form, on which a duplicate set of Electrical Apparatus stands. The principal Apparatus on the upper floor is connected with the cap of insulator of the duplicate set below by a fine copper wire; and it has been found that both sets of instruments give similar and simultaneous results. This arrangement for registering the Electricity below has proved very satisfactory, and dispenses with the observer having to go to the top of the tower for the hourly observations; but in the event of an electrical storm or phenomenon of any magnitude being experienced, the lower instrument can be disconnected from the upper set in a moment, and in that case the observations could be made at the top floor, if desirable.

To the bolt of the Spark Measure of the upper set of instruments is fixed a copper wire, which passes down by the east wall of the house, like a lightning conductor, carried out to some distance from the building under ground, where any discharge from the wire would prove harmless.

The whole apparatus in use consists of the following instruments: two Volta Electrometers, denoted by Nos. 1 and 2; a Henly's Electrometer; a Ronald's Spark Measure; and a Bennet's Gold-Leaf Electrometer.

BOMBAY MAGNETICAL OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1856.

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 1st—Midnight	29.952	29.312	71°2	67°8	3°4	66°1	0.85	73°0	76°2	N b E	0.0			5.0		5.00
1 a. m.	.934	.351	72.5	66.5	6.0	63.2	.74	73.5	76.2	E b N	0.2			10.0		0.15
2 „	.923	.386	72.8	65.2	7.6	60.8	.68	73.5	76.1	ENE	0.3					
3 „	.915	.401	73.8	64.8	9.0	59.3	.63	74.4	76.0	„	0.3					
4 „	.925	.417	73.8	64.6	9.2	59.1	.62	74.3	76.0	„	0.5			2.0		Above 10m.
5 „	.946	.452	73.4	64.0	9.4	58.3	.61	74.0	75.9	„	0.4					
6 „	.963	.423	72.0	65.0	7.0	60.9	.70	72.0	75.7	E b N	0.1					
7 „	.992	.424	72.4	66.0	6.4	62.5	.72	72.5	75.6	E	0.1			2.0		Above 10m.
8 „	30.019	.508	74.6	65.0	9.6	59.3	.61	75.0	75.9	E b S	0.1			2.0		Above 10m.
9 „	.041	.532	76.6	65.6	11.0	59.2	.56	76.4	76.1	E	0.4			6.0		Above 10m.
10 „	.036	.530	78.6	66.2	12.4	59.0	.53	78 5	76.5	ENE	0.3			8.0		Above 10m.
11 „	.017	.551	81.5	66.0	15.5	56.5	.44	80.8	76.8	„	0.2			6.0		Above 10m.
Noon.	29.979	.580	85.2	65.2	20.0	51.9	.34	83.6	77.5	„	0.2			6.0		Above 10m.
1 p. m.	.937	.529	86.7	66.0	20.7	52.6	.34	84.6	77.8	„	0.1	None.	None.	1.0	None.	Above 10m.
2 „	.903	.371	88.2	70.2	18.0	60.5	.41	85.2	78.1	„	0.0			8.0		Above 10m.
3 „	.891	.451	90.0	68.0	22.0	54.8	.32	87.0	78.6	NW b N	0.1			6.0		Above 10m.
4 „	.890	.159	86.2	75.0	11.2	70.2	.60	85.0	78.5	NW	0.3			7.0		Above 10m.
5 „	.908	.210	82.4	73.0	9.4	68.7	.64	83.2	78.6	N b W	0.1			2.0		Above 10m.
6 „	.928	.266	79.0	71.0	8.0	67.1	.68	79.5	78.4	„	0.1					
7 „	.950	.277	78.0	71.0	7.0	67.6	.72	78.6	78.2	„	0.2			1.0		Above 10m.
8 „	.976	.327	77.0	70.0	7.0	66.5	.71	77.5	78.1	„	0.3			1.0		Above 10m.
9 „	.981	.318	76.4	70.2	6.2	67.2	.74	77.3	77.9	„	0.4					
10 „	.982	.309	74.8	70.0	4.8	67.6	.79	75.8	77.7	N b E	0.1			4.0		0.15
11 „	.971	.352	72.4	67.6	4.8	65.1	.79	74.4	77.4	NNE	0.0			7.0		0.15
Jan. 2nd—Midnight	.962	.319	72.4	68.3	4.1	66.2	.82	73.7	77.1	E b S	0.2			10.0		0.15
1 a. m.	.945	.343	72.2	67.0	5.2	64.2	.77	73.5	77.0	„	0.2			9.0		0.10
2 „	.936	.396	72.0	65.0	7.0	60.9	.70	73.0	76.8	ENE	0.1			6.0		0.15
3 „	.932	.304	71.9	67.7	4.2	65.5	.81	73.0	76.5	NE b E	0.1			6.0		0.12
4 „	.935	.324	71.4	67.0	4.4	64.7	.80	72.5	76.5	„	0.2			6.0		0.10
5 „	.954	.403	71.0	65.0	6.0	61.5	.73	71.8	76.3	„	0.1					
6 „	.977	.419	70.4	65.0	5.4	61.9	.76	71.2	76.2	„	0.1					
7 „	30.000	.521	72.0	63.0	9.0	57.3	.62	73.0	76.0	ENE	0.1					
8 „	.029	.511	74.0	65.0	9.0	59.7	.63	74.0	76.0	„	0.1			8.0		3.00
9 „	.052	.510	76.2	66.5	9.7	61.0	.61	76.0	76.2	„	0.2			8.0		Above 10m.
10 „	.040	.519	78.1	66.5	11.6	59.9	.55	77.5	76.5	NE b E	0.3			8.0		Above 10m.
11 „	.022	.590	81.7	65.0	16.7	54.3	.41	80.7	77.0	„	0.2	None.	None.	6.0	None.	Above 10m.
Noon.	29.988	.477	86.1	68.6	16.5	59.3	.44	84.6	77.7	„	0.2			4.0		Above 10m.
1 p. m.	.954	.592	88.0	65.0	23.0	49.1	.28	86.0	78.2	NE	0.1			4.0		Above 10m.
2 „	.927	.587	90.0	65.0	25.0	47.3	.23	87.0	78.7	„	0.1			3.0		Above 10m.
3 „	.917	.549	90.4	66.0	24.4	49.6	.25	87.0	79.0	„	0.1					
4 „	.919	.235	87.0	74.0	13.0	68.1	.55	86.0	79.2	NNW	0.2			1.0		Above 10m.
5 „	.916	.220	82.5	73.0	9.5	68.6	.64	83.2	79.1	„	0.1					
6 „	.938	.240	79.0	72.0	7.0	68.7	.72	80.1	79.0	N b W	0.1					
7 „	.951	.275	77.7	71.0	6.7	67.8	.73	78.7	78.7	„	0.1					
8 „	.976	.327	77.0	70.0	7.0	66.5	.71	77.8	78.3	„	0.3					
9 „	.983	.414	75.7	67.2	8.5	62.5	.65	76.8	78.1	„	0.4					
10 „	.982	.447	74.2	65.6	8.6	60.6	.64	75.3	77.8	N	0.2					
11 „	.964	.441	72.7	64.7	8.0	60.0	.66	74.1	77.5	„	0.1					
Jan. 3rd—Midnight	.956	.388	72.9	66.2	6.7	62.5	.71	74.3	77.3	NE b E	0.0					
1 a m.	.949	.399	72.2	65.4	6.8	61.5	.71	73.8	77.0	„	0.1					
2 „	.934	.366	70.6	65.4	5.2	62.5	.77	72.0	76.7	„	0.1					
3 „	.927	.337	70.4	66.0	4.4	63.6	.80	72.0	76.5	„	0.1					
4 „	.927	.335	70.2	66.0	4.2	63.7	.81	72.0	76.2	„	0.2					
5 „	.925	.342	71.0	66.0	5.0	63.2	.78	72.3	75.9	„	0.1	None.	None.	None.	None.	None.
6 „	.938	.357	71.2	66.0	5.2	63.1	.77	72.2	75.7	ENE	0.1					
7 „	.960	.377	71.0	66.0	5.0	63.2	.78	72.1	75.9	„	0.0					
8 „	30.003	.466	73.4	65.4	8.0	60.8	.66	73.8	76.1	„	0.0					
9 „	.024	.423	76.2	68.3	7.9	64.2	.68	76.3	76.4	E b N	0.0					
10 „	.007	.467	77.8	67.0	10.8	59.9	.58	77.4	76.6	„	0.2					
11 „	29.991	.486	79.6	66.5	13.1	58.9	.51	79.0	77.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ≤— cirro-strati; ⌒— cumulo-strati; and ≤≤ nimbi.	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°6 and 83°5.
0	N	Cloudless.	
0	N	,,	
0	N	,,	
0	N	Clear; fresh breezes of wind blowing.	
0	D	Cloudless.	
0	D	,,	
0	D	Mist along W hor., and fog in NE, E, and SE hor.	
0	D	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,, ; a few ≤ in E.	
0	L	≤ scattered about E, S, and W hor.; mist around hor.	
2	L	,, ,, ,, ,, ,, ,,	
2	N	,, ,, ,, ,, ,, ,,	
2	N	,, ,, ,, ,, ,, ,,	
1	N	,, ,, ,, ,, ,, ,,	
0	N	Clear.	
0	D	Light mist in hor.	
0	D	Cloudless.	
0	D	,,	
0	D	,,	
0	L	A few clouds about E hor.	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	A few clouds about E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°45 and 83°4; Maximum Tension of Electricity was 10 by Volta No. 1.
0	N	Clear, except in hor.	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	D	,, ,, ,,	
0	D	A few clouds about E hor.	
0	D	Mist from S to N hor., and fog in NE, E, and SE hor.	
0	D	,, ,, ,, ,, ,, ,, ,,	
0	L	A few ≤ in NE above hor.; light mist in hor.	
0	L	,, ,, ,, ,, ,,	
0	L	Light haze in hor.	
0	L	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	D	Mist around hor.	
0	D	Cloudless.	
0	D	,,	
0	D	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°3 and 83°3.
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	D	,,	
0	D	,,	
0	D	Mist along W hor., and fog in NE, E, and SE hor	
0	D	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	Haze in hor.	

On the 1st, at 2 P. M., the Temperature of Wet Bulb Thermometer rose 4°2 in one hour, and fell 2°2 for the next; again, at 4 P. M., it rose 7°, and then its fall was 2° for each hour till 6 P. M. At 3 P. M. the difference between Dry and Wet Thermometers was 22°0

1st January was the first cloudless day of this year.

On the 2nd, at 4 P. M., the Standard Barometer rose a little instead of falling. At noon, Temperature of Wet Bulb Thermometer rose 3°6 in one hour, and fell as much for the next; at 4 P. M. again it rose 8°0; thence it was falling moderately till the end of the day. At 2 P. M. the difference between the Temperatures of Dry and Wet Bulb Thermometers was 25°0. At 3 P. M. the Temperature of Air was 90°4, the highest in the month; also the Diurnal Range of Air Thermometer was highest on this day during the month. At 7 A. M. the Reading of Wet Bulb Thermometer was 63°0, being 3°9 lower than the Normal Mean.

On the 3rd, at 10 P. M., the Maximum Tension of Electricity was 25 Scale divisions by Volta No. 1. At 5 A. M. the first Minimum of Standard Barometer was a little later. Wind blew abnormally.

3rd January was the second cloudless day from the beginning of this year.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 3rd—Noon.	29.967	29.461	81°5	67°2	14°3	59°0	0.48	80°2	77°4	E b N	0.1		Pos.	10.0		Above 10m.
1 p. m.	.939	.443	84.2	67.8	16.4	58.4	.43	82.2	77.6	WSW	0.1		Pos.	12.0		Above 10m.
2 „	.920	.373	85.5	69.8	15.7	61.3	.46	83.5	78.0	SW b W	0.1		Pos.	9.0		Above 10m.
3 „	.901	.325	86.7	71.0	15.7	62.9	.47	84.7	78.5	SW b S	0.1		Pos.	3.0		Above 10m.
4 „	.903	.235	86.4	73.4	13.0	67.4	.54	84.9	78.7	S	0.1		Pos.	2.0		Above 10m.
5 „	.917	.191	83.2	74.0	9.2	69.4	.66	82.5	78.6	SSW	0.1		Pos.	3.0		Above 10m.
6 „	.930	.933	80.2	75.0	5.2	72.9	.79	80.0	78.6	„	0.0		Pos.	2.0		Above 10m.
7 „	.956	.184	79.0	74.0	5.0	71.8	.80	79.8	78.5	W b S	0.0	None.	Pos.	1.0	None.	Above 10m.
8 „	.991	.247	78.2	73.0	5.2	70.7	.79	78.7	78.5	W	0.0		Neg.	6.0		Above 10m.
9 „	.997	.353	75.3	69.3	6.0	66.3	.75	76.7	78.1	W b N	0.0		Pos.	22.0		0.20
10 „	.999	.352	74.1	69.0	5.4	66.4	.78	75.6	77.7	„	0.0		Pos.	25.0		0.20
11 „	.997	.360	73.2	68.4	4.8	65.9	.79	74.8	77.5	„	0.0					
Jan. 4th—Midnight	.985	.285	74.2	70.6	3.6	68.8	.84	75.1	77.5	NW b N	0.1		Pos.	28.0		0.02
1 a. m.	.979	.302	73.8	69.8	4.0	67.8	.83	74.7	77.3	N	0.2		Pos.	10.0		1.00
2 „	.967	.308	73.0	69.0	4.0	67.0	.82	74.0	77.1	NNE	0.2		Neg.	11.0		1.00
3 „	.961	.288	72.6	69.0	3.6	67.6	.84	73.8	77.0	„	0.1		Neg.	10.0		1.00
4 „	.956	.321	72.2	68.0	4.2	65.8	.81	73.0	76.8	NE b N	0.3		Neg.	4.0		Above 10m.
5 „	.968	.423	71.5	65.0	6.5	61.2	.72	72.3	76.1	„	0.0		Neg.	2.0		Above 10m.
6 „	.984	.435	71.2	65.0	6.2	61.4	.73	73.0	76.0	„	0.1		Neg.	2.0		Above 10m.
7 „	30.012	.468	71.6	65.0	6.6	61.2	.71	72.8	76.1	„	0.0		Neg.	4.0		3.20
8 „	.047	.465	74.0	67.0	7.0	63.2	.70	74.7	76.3	NE	0.0		Neg.	6.0		5.00
9 „	.064	.440	76.2	69.0	7.2	65.3	.71	76.3	76.6	„	0.0		Pos.	8.0		Above 10m.
10 „	.065	.468	77.4	68.6	8.8	64.0	.65	77.2	76.9	„	0.2		Pos.	8.0		Above 10m.
11 „	.044	.447	78.6	69.0	9.8	64.0	.62	78.4	77.1	„	0.0		Pos.	8.0		Above 10m.
Noon.	.018	.464	81.3	68.6	12.7	61.7	.53	80.0	77.5	„	0.0	None.	Pos.	10.0		Above 10m.
1 p. m.	29.992	.296	82.5	73.0	9.5	68.6	.65	81.0	77.7	NW b W	0.1		Pos.	7.0		Above 10m.
2 „	.972	.256	83.4	73.8	9.6	69.5	.64	82.2	78.0	„	0.1		Pos.	4.0		Above 10m.
3 „	.962	.243	83.8	74.0	9.8	69.7	.64	82.5	78.2	NW	0.2		Pos.	4.0		Above 10m.
4 „	.966	.220	82.8	74.4	8.4	70.8	.68	81.8	78.2	NW b N	0.2		Pos.	10.0		Above 10m.
5 „	.978	.331	80.4	71.0	9.4	66.4	.64	80.5	78.3	NNW	0.1		Pos.	4.0		Above 10m.
6 „	.985	.289	79.2	72.0	7.2	68.6	.71	79.3	78.2	„	0.1		Pos.	2.0		Above 10m.
7 „	.996	.213	78.0	74.0	4.0	72.3	.83	78.7	78.1	„	0.0		Pos.	12.0		0.03
8 „	30.014	.252	76.5	73.0	3.5	71.4	.85	77.6	78.0	„	0.0		Pos.	8.0		0.07
9 „	.014	.243	75.7	73.0	2.7	71.8	.88	77.0	78.0	„	0.0		Pos.	Out of Sc.	40.0	0.012
10 „	.016	.264	74.7	72.2	2.5	71.0	.89	76.2	77.8	„	0.0		Pos.	Out of Sc.	28.0	0.02
11 „	.010	.296	74.0	71.8	2.2	69.3	.90	75.6	77.6	„	0.0		Pos.	Out of Sc.	32.0	0.10
Jan. 5th—Midnight	.001	.262	73.7	71.5	2.2	70.5	.90	75.1	77.5	NNW	0.0		Pos.	Out of Sc.	55.0	0.04
1 a. m.	29.989	.259	72.8	71.0	1.8	70.1	.92	74.6	77.1	„	0.1		Pos.	Out of Sc.	30.0	0.06
2 „	.978	.262	72.2	70.4	1.8	69.5	.92	74.0	77.0	„	0.1		Neg.	Out of Sc.	30.0	0.10
3 „	.962	.318	70.8	67.8	3.0	66.3	.86	72.8	76.8	„	0.1		Neg.	Out of Sc.	30.0	0.10
4 „	.970	.300	71.4	68.8	2.6	67.5	.88	73.0	76.7	N b W	0.2		Neg.	12.0		0.15
5 „	.973	.320	71.4	68.0	3.4	66.3	.85	73.2	76.6	„	0.1		Neg.	10.0		0.03
6 „	.978	.321	70.2	68.0	2.2	66.9	.90	72.7	76.5	„	0.1		Neg.	7.0		0.02
7 „	30.018	.421	69.7	66.0	3.7	64.0	.83	71.8	76.4	„	0.1		Neg.	14.0	35.0	0.05
8 „	.051	.369	74.0	70.0	4.0	68.0	.83	74.6	76.5	„	0.1		Neg.	Out of Sc.		0.03
9 „	.060	.396	75.0	69.8	5.2	67.2	.78	75.2	76.6	E b N	0.0		Pos.	6.0		3.00
10 „	.048	.416	76.7	69.4	7.3	65.7	.70	76.6	76.8	„	0.0		Pos.	4.0		2.00
11 „	.032	.375	78.1	70.6	7.5	66.9	.70	77.9	77.0	„	0.0		Pos.	12.0		1.00
Noon.	29.997	.430	78.9	68.2	10.7	62.4	.59	78.3	77.2	NNW	0.2	None.	Pos.	1.0		Above 10m.
1 p. m.	.975	.366	80.6	70.0	10.6	64.6	.60	79.8	77.3	NW b N	0.2		Neg.	4.0		Above 10m.
2 „	.957	.301	81.9	71.7	10.2	66.8	.62	81.2	77.6	„	0.4		Neg.	6.0		Above 10m.
3 „	.942	.205	82.2	74.0	8.2	70.4	.69	81.8	78.0	NNW	0.3		Neg.	8.0		Above 10m.
4 „	.932	.253	82.0	72.4	9.6	67.9	.64	81.2	78.1	„	0.2		Neg.	4.0		Above 10m.
5 „	.936	.276	79.8	71.2	8.6	67.0	.67	79.7	78.0	„	0.2		Neg.	8.0		Above 10m.
6 „	.947	.262	77.6	71.2	6.4	68.1	.74	78.0	77.9	„	0.3					
7 „	.972	.314	76.8	70.2	6.6	66.9	.73	77.5	77.7	„	0.3					
8 „	.991	.298	76.2	71.0	5.2	68.5	.78	77.0	77.6	N b W	0.2		Neg.	4.0		0.20
9 „	30.001	.309	75.0	70.6	4.4	68.5	.81	76.0	77.5	„	0.2		Neg.	6.0		0.20
10 „	.009	.342	73.5	69.4	4.1	67.3	.82	74.5	77.3	„	0.1		Neg.	8.0		0.20
11 „	.004	.359	71.8	68.2	3.6	66.3	.84	73.8	77.2	„	0.1		Neg.	Out of Sc.	40.0	0.40

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ≋ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ⌢ cumulo-strati; and ≋ nimbi.	
0	L	Haze in hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°3 and 83°3.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	D	"	
0	D	"	
0	D	Mist around W hor.; fog in NE, E, and SE hor.	
0	D	" " " " "	
0	L	" " " " "	
0	L	Light mist in hor. from W to SE round by N.	
0	L	" " " " "	
0	L	" " " " "	
0	N	" " " " "	
0	N	Light mist around hor.	
0	N	" " "	
0	N	" " "	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°3 and 83°3; Maximum length of the Spark by Ronald's Measure 0.01. At midnight Maximum Electricity being 55 by Volta No. 2.
0	N	Clear; dew falling.	
0	N	" " "	
0	N	" " "	
0	N	Clear.	
0	D	"	
0	D	"	
0	D	Mist around W hor.; fog in NE, E, and SE hor.	
0	D	" " " " "	
0	L	" " " " "	
0	L	" " " " "	
0	L	" " " " "	
0	L	Mist about hor. from N to SSW.	
0	N	" " " "	
0	N	" " " "	
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	Clear, except in hor.	
0	N	" " "	
0	N	" " "	
0	N	" " "	
0	N	" " "	

On the 4th, at 9 P. M., the Maximum Tension of Electricity was 40° by Volta No. 2. At 5 A. M. the Temperature of Wet Bulb Thermometer fell 3°; at 1 P. M. it rose 4°4; at 5 P. M. again it fell 3°; and at 7 P. M. it rose 2° in one hour. At 5 and 7 A. M. the Reading of the Wet Bulb Thermometer was 61°2, being 5°7 lower than the *Normal* Mean.

4th January was the third cloudless day from the beginning of this year.

On the 5th, at 7 A. M., the Temperature of the Wet Bulb Thermometer fell 2° in one hour, and rose 4° for the next hour. The Range of Air Thermometer was as low as 12°5. At 7 A. M. the Air Thermometer was 69°7, being 1°6 lower than the Normal Mean.

5th January was the fourth cloudless day from the beginning of this year.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 7th-Midnight	30.011	29.411	71°8	66°8	5°0	64°1	0.78	73°0	76°5	N b E	0.1					
1 a. m.	.003	.365	71.4	67.8	3.6	66.0	.84	73.0	76.3	,,	0.1					
2 ,,	29.999	.384	71.0	67.0	4.0	64.9	.82	72.6	76.0	,,	0.1					
3 ,,	.992	.410	70.5	65.8	4.7	63.2	.79	71.9	76.0	,,	0.1					
4 ,,	.992	.392	70.6	66.4	4.2	64.1	.81	72.0	75.8	,,	0.0					
5 ,,	.997	.382	71.0	67.0	4.0	64.9	.82	71.5	75.7	NE	0.0					
6 ,,	30.011	.434	70.6	66.0	4.6	63.4	.80	71.3	75.6	,,	0.0					
7 ,,	.047	.432	71.0	67.0	4.0	64.9	.82	72.0	75.6	,,	0.0		Pos.	7.0		0.29
8 ,,	.074	.457	73.8	68.0	5.8	65.0	.75	74.1	75.7	E b N	0.0		Pos.	13.0		0.35
9 ,,	.093	.474	75.7	68.7	7.0	65.1	.70	75.6	76.0	,,	0.2		Pos.	7.0		5.00
10 ,,	.090	.416	77.9	71.0	6.9	67.7	.72	77.6	76.3	,,	0.1		Pos.	6.0		5.00
11 ,,	.062	.500	81.8	69.0	12.8	62.1	.53	80.9	76.9	,,	0.1	None.				
Noon.	.029	.506	85.9	69.2	16.7	60.0	.43	84.0	77.5	NE b E	0.0					
1 p. m.	29.980	.315	83.7	72.5	11.2	67.2	.59	82.5	77.7	NW b N	0.1		Pos.	1.0		Above 10m.
2 ,,	.960	.226	84.2	74.5	9.7	70.3	.64	83.0	77.8	NW	0.2		Pos.	2.0		Above 10m.
3 ,,	.942	.179	84.3	75.3	9.0	71.5	.65	83.7	78.2	NW b N	0.2		Pos.	10.0		1.30
4 ,,	.939	.149	84.4	76.0	8.4	72.6	.69	83.5	78.5	N b W	0.1		Pos.	3.0		Above 10m.
5 ,,	.948	.219	81.2	73.5	7.7	70.1	.70	81.3	78.4	,,	0.1					
6 ,,	.968	.299	78.4	71.0	7.4	67.4	.70	79.0	78.3	,,	0.2					
7 ,,	.993	.330	77.3	70.5	6.8	67.2	.72	78.3	78.2	,,	0.1					
8 ,,	30.020	.371	77.0	70.0	7.0	66.5	.71	77.8	78.0	,,	0.1		Pos.	2.0		Above 10m.
9 ,,	.037	.387	76.6	69.9	6.7	66.6	.72	77.1	77.9	,,	0.4		Pos.	10.0		1.00
10 ,,	.041	.443	74.4	67.7	6.9	64.0	.71	75.8	77.6	,,	0.0		Pos.	5.0		5.00
11 ,,	.031	.338	75.5	70.8	4.7	68.5	.80	76.2	77.5	,,	0.0		Pos.	Out of Sc.	25.0	0.02
Jan. 8th-Midnight	.018	.350	75.3	70.0	5.3	67.4	.78	75.9	77.5	N b W	0.0		Pos.	4.0		7.00
1 a. m.	.017	.353	74.4	69.6	4.8	67.2	.79	75.4	77.3	,,	0.0		Pos.	10.0		0.48
2 ,,	.001	.329	73.4	69.5	3.9	67.6	.83	74.4	77.2	,,	0.0		Pos.	Out of Sc.	28.0	0.20
3 ,,	29.989	.317	73.0	69.4	3.6	67.6	.84	74.2	77.0	,,	0.1		Pos.	4.0		0.26
4 ,,	.986	.347	73.0	68.4	4.6	66.0	.80	74.2	76.8	NE	0.2		Pos.	5.0		0.22
5 ,,	.996	.363	72.4	68.0	4.4	65.7	.81	73.1	76.6	NE b E	0.1		Pos.	2.0		0.50
6 ,,	30.014	.377	72.0	68.0	4.0	65.9	.82	73.0	76.4	,,	0.0		Pos.	3.0		1.20
7 ,,	.041	.406	72.2	68.0	4.2	65.8	.81	73.3	76.4	,,	0.0		Pos.	10.0		0.15
8 ,,	.067	.426	74.6	69.0	5.6	66.1	.76	75.2	76.6	,,	0.1		Pos.	12.0		0.22
9 ,,	.085	.463	76.4	69.0	7.4	65.2	.70	76.9	76.7	ENE	0.1		Pos.	10.0		1.20
10 ,,	.082	.427	79.6	71.0	8.6	66.3	.66	79.2	77.1	,,	0.1		Pos.	10.0		1.00
11 ,,	.062	.428	81.5	71.0	10.5	65.8	.61	80.7	77.5	NE	0.1	None.	Pos.	1.0		Above 10m.
Noon.	.029	.460	84.1	70.1	14.0	62.5	.50	82.8	77.9	NE b N	0.1		Pos.	6.0		Above 10m.
1 p. m.	29.989	.476	87.4	69.4	18.0	59.4	.40	85.0	78.4	NE b E	0.1		Pos.	12.0		Above 10m.
2 ,,	.973	.188	88.4	77.0	11.4	72.4	.60	86.0	78.8	NW	0.1		Pos.	4.0		Above 10m.
3 ,,	.968	.138	87.2	77.8	9.4	74.1	.66	85.4	79.0	,,	0.1		Pos.	2.0		Above 10m.
4 ,,	.979	.132	85.6	77.8	7.8	74.7	.71	84.5	79.1	NW b N	0.1		Pos.	4.0		Above 10m.
5 ,,	.994	.149	82.9	77.0	5.9	74.7	.77	82.9	79.0	,,	0.1		Pos.	6.0		0.10
6 ,,	30.010	.337	80.0	71.6	8.4	77.6	.67	80.7	79.0	,,	0.1		Pos.	10.0		0.10
7 ,,	.032	.252	78.3	74.0	4.3	72.2	.82	79.5	78.9	,,	0.1		Pos.	20.0		0.02
8 ,,	.052	.368	77.0	71.0	6.0	68.1	.75	78.2	78.7	NNW	0.0		Pos.	8.0		1.20
9 ,,	.070	.401	75.2	70.0	5.2	67.4	.78	76.4	78.4	,,	0.0		Pos.	Out of Sc.	50.0	0.03
10 ,,	.065	.401	74.0	69.5	4.5	67.2	.81	75.3	78.0	,,	0.0		Pos.	Out of Sc.	20.0	0.30
11 ,,	.052	.334	73.6	70.9	2.7	69.6	.88	75.1	77.7	,,	0.0		Pos.	Out of Sc.	50.0	0.03
Jan. 9th-Midnight	.036	.348	74.4	70.3	4.1	68.0	.82	75.4	77.8	NE b N	0.2		Pos.		12.0	Above 10m.
1 a. m.	.027	.345	74.0	70.0	4.0	68.0	.83	75.0	77.5	NE	0.1		Neg.	Out of Sc.	50.0	0.04
2 ,,	.018	.327	73.2	70.0	3.2	6.84	.86	74.8	77.5	,,	0.1		Neg.	Out of Sc.	30.0	0.08
3 ,,	.025	.353	73.0	69.4	3.6	67.6	.84	74.2	77.3	NE b E	0.1					0.10
4 ,,	.026	.387	72.4	68.2	4.2	66.0	.81	73.4	77.0	,,	0.2					
5 ,,	.022	.385	72.0	68.0	4.0	65.9	.82	72.8	76.9	NE	0.0	None.				
6 ,,	.041	.430	71.4	67.0	4.4	64.7	.80	72.5	76.7	,,	0.1					
7 ,,	.079	.468	71.4	67.0	4.4	64.7	.80	73.0	76.5	,,	0.1					
8 ,,	.088	.431	73.2	69.0	4.2	66.9	.82	74.0	76.6	,,	0.0		Pos.	5.0		0.27
9 ,,	.106	.492	75.2	68.4	6.8	64.8	.72	75.7	76.7	NE b E	0.2		Pos.	4.0		2.00
10 ,,	.104	.474	77.8	69.7	8.1	65.6	.68	77.7	77.0	,,	0.1		Pos.	5.0		4.00
11 ,,	.066	.402	80.8	71.6	9.2	67.2	.65	80.0	77.5	,,	0.2		Pos.	4.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°3 and 85°2. At 11 P. M., the Maximum Tension of Electricity was 25 by Volta No. 2.
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	D	,,	
0	D	,,	
0	D	A few ≤ in NW above hor.; mist in hor.	
0	D	Mist from NW to S hor.; fog from NW to SE hor.	
0	L	A few ≤ about hor.; mist in hor.	
0	L	Light ≤ scattered about; mist in hor.	
0	L	A few ≤ around hor.; mist around hor.	
0	L	,, ,, ,, ,, ,,	
0	N	≤ scattered in E hem.; mist around hor.	
2	N	≤ scattered about.	
4	N	≤ scattered about, moving E.	
1	N	A few ≤ above E hor.	
2	D	≤ scattered around hor., except in NE and E.	
2	D	≤ scattered about.	
0	D	≤ in SW and W above hor.	
0	D	Clear, except in hor.	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°3 and 83°1. At 9 and 11 P. M., the Maximum Tension of Electricity was 50 by Volta No. 2.
0	N	,, ,, ,,	
0	N	A few clouds above SE and E hor.	
0	N	Clear, except in E hor.	
0	N	,, ,, ,,	
0	D	A few ≤ in E and SE.	
0	D	,, ,, ,,	
4	D	≤ scattered about; mist along W; fog in E hor.	
1	D	≤ scattered about SE hor.; mist in hor.	
1	D	≤ scattered about S hor.; mist in hor.	
0	L	,, ,, ,, ,,	
1	L	,, ,, ,, ,,	
1	L	,, ,, ,, ,,	
0	N	Mist around hor.	
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	D	Clear.	
0	D	,,	
0	D	,,	
0	L	,,	
0	L	,,	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°2 and 83°. Maximum length of Sparks by Ronald's Measure 0.01. At 2 P. M., the Maximum Tension being 75 by Volta No. 2.
0	N	Clear.	
0	N	,,	
0	N	,,	
0	N	,,	
0	D	,,	
4	D	≤ scattered about.	
5	D	≤ scattered throughout; mist in hor.	
5	D	,, ,, ,, ,,	
6	L	,, ,, ,, ,,	
6	L	,, ,, ,, ,,	
5	L	,, ,, ,, ,,	

On the 7th, at noon, the Temperature of the Air rose 4°1 in one hour, and fell 2°2 for the next. At 10 A. M., the Temperature of Wet Bulb Thermometer rose 2°3 in one hour, and fell 2° the next hour; again, from noon to 4 P. M., this Temperature was rising, and thence falling gradually till 10 P. M.

On the 8th, at 2 P. M., the Temperature of Wet Bulb Thermometer rose 7°6, and at 6 P. M. fell 5°4; again, at 7 P. M., it rose 2°4 in one hour, and fell 3° for the next. At 3 and 4 P. M., the Temperature of Wet Bulb Thermometer was 77°8, the highest in the month; at 2 P. M., the Air Thermometer was 88°4, being 4°8 higher than the Normal Mean.

On the 9th, at 3 and 4 A. M. and 3 P. M., the Standard Barometer read a little higher than it ought to be. At 2 P. M., the Temperature of Wet Bulb Thermometer

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 9th-Noon.	30.038	29.431	82°6	70°6	12°0	64°5	0.56	81°7	77°9	NE b E	0.1		Pos.	6.0		7.00
1 p. m.	.015	.455	84.4	69.8	14.6	62.0	.49	83.4	78.1	NE b N	0.0		Pos.	1.0		0.20
2 „	.003	.182	84.3	76.8	7.5	73.8	.72	83.4	78.4	NW	0.1		Pos.	Out of Sc.	75.0	0.10
3 „	.007	.176	84.2	77.0	7.2	74.1	.73	83.2	78.6	„	0.1					
4 „	.006	.171	83.8	77.0	6.8	74.3	.74	82.8	78.8	„	0.2					
5 „	.019	.159	81.5	77.0	4.5	75.2	.82	81.7	78.9	„	0.1					
6 „	.039	.190	79.0	76.0	3.0	74.8	.88	79.8	78.7	NW b N	0.1					
7 „	.063	.249	78.2	75.0	3.2	73.7	.87	78.7	78.6	NNW	0.1	None.				
8 „	.083	.291	77.2	74.0	3.2	72.7	.87	78.0	78.5	„	0.4					
9 „	.103	.344	76.8	73.0	3.8	71.3	.84	77.5	78.5	„	0.5					
10 „	.112	.384	75.6	71.8	3.8	70.0	.84	76.6	78.2	N b W	0.1		Pos.	1.0		1.00
11 „	.100	.426	74.4	69.9	4.5	67.7	.81	75.4	78.0	N	0.1					
Jan. 10th-Midnight	.093	.435	73.4	69.1	4.3	66.9	.81	74.6	77.7	N	0.2					
1 a. m.	.078	.425	73.0	68.8	4.2	66.7	.82	74.6	77.5	Calm	0.0					
2 „	.070	.418	71.2	68.2	3.0	66.6	.86	73.4	77.2	„	0.0					
3 „	.060	.390	71.4	68.8	2.6	67.5	.88	73.2	77.0	„	0.0					
4 „	.056	.445	71.4	67.0	4.4	64.7	.81	73.8	77.0	„	0.0					
5 „	.066	.501	69.7	65.0	4.7	62.3	.79	70.8	76.4	„	0.0					
6 „	.090	.496	70.0	66.0	4.0	63.8	.82	71.0	76.2	„	0.0					
7 „	.117	.576	71.6	64.9	6.7	61.0	.71	72.6	76.3	NNE	0.0		Pos.	7.0		Above 10m.
8 „	.136	.497	74.8	69.0	5.8	66.0	.75	75.0	76.5	NE b E	0.0		Pos.	6.0		Above 10m.
9 „	.135	.530	77.0	68.7	8.3	64.4	.66	76.9	76.8	E b N	0.0		Pos.	7.0		Above 10m.
10 „	.123	.535	79.2	68.9	10.3	63.5	.60	78.7	77.1	„	0.1		Pos.	3.0		Above 10m.
11 „	.100	.550	80.5	68.2	12.3	61.5	.54	79.9	77.4	„	0.0		Pos.	9.0		Above 10m.
Noon.	.069	.444	82.9	71.2	11.7	65.4	.57	81.9	77.7	N b E	0.0	None.	Pos.	6.0		Above 10m.
1 p. m.	.046	.383	82.2	72.0	10.2	67.2	.62	81.9	77.9	NW b N	0.2		Pos.	4.0		Above 10m.
2 „	.040	.275	83.1	75.0	8.1	71.6	.69	83.0	78.2	„	0.3		Pos.	4.0		Above 10m.
3 „	.037	.269	82.8	75.0	7.8	71.7	.70	82.5	78.4	NNW	0.2		Pos.	3.0		Above 10m.
4 „	.036	.343	82.8	73.0	9.8	68.5	.64	82.0	78.5	„	0.1		Pos.	4.0		Above 10m.
5 „	.033	.334	81.0	72.6	8.4	68.8	.68	81.0	78.4	„	0.1		Pos.	5.0		3.00
6 „	.034	.262	79.0	74.0	5.0	71.8	.80	79.8	78.3	„	0.1					
7 „	.044	.321	77.4	72.2	5.2	69.8	.79	78.1	78.2	„	0.1		Pos.	3.0		4.00
8 „	.051	.373	76.2	70.6	5.6	67.8	.77	77.2	78.1	„	0.1		Pos.	4.0		1.35
9 „	.047	.373	74.7	70.0	4.7	67.7	.80	76.0	77.9	„	0.0		Pos.		15.0	0.10
10 „	.042	.338	75.2	71.0	4.2	69.0	.82	76.1	77.7	„	0.0		Pos.		12.0	5.00
11 „	.037	.306	75.7	71.9	3.8	70.2	.84	76.6	77.8	NE b N	0.0		Pos.		16.0	0.30
Jan. 11th-Midnight	.026	.273	75.3	72.4	2.9	71.1	.87	76.3	77.7	NE b N	0.0		Pos.	Out of Sc.	30.0	0.06
1 a. m.	.013	.314	74.0	70.5	3.5	68.8	.85	75.1	77.5	„	0.0		Pos.	Out of Sc.	60.0	0.02
2 „	.013	.271	75.0	72.0	3.0	70.6	.87	76.0	77.4	„	0.1		Pos.	Out of Sc.	40.0	0.05
3 „	.017	.331	73.6	70.0	3.6	68.2	.84	74.8	77.3	NNW	0.2		Neg.	Out of Sc.	30.0	0.03
4 „	.019	.247	75.0	72.8	2.2	71.8	.90	76.0	77.3	„	0.1		Neg.	Out of Sc.	24.0	0.07
5 „	.027	.297	74.5	71.5	3.0	70.1	.86	75.5	77.1	„	0.1		Pos.	16 0		0.17
6 „	.040	.347	73.0	70.0	3.0	68.5	.87	74.5	77.0	N b W	0.2		Pos.	7.0		0.10
7 „	.059	.453	71.8	67.0	4.8	64.4	.79	73.0	76.8	N	0.1		Pos.	15.0		1.10
8 „	.084	.431	73.5	69.0	4.5	66.7	.80	74.5	76.9	NE	0.0		Pos.	10.0		2.00
9 „	.098	.436	75.2	69.8	5.4	67.1	.77	75.7	77.0	E	0.2		Pos.	10.0		2.20
10 „	.090	.448	78.3	70.2	8.1	66.2	.68	78.1	77.3	E b S	0.2		Pos.	4.0		3.00
11 „	.073	.394	80.7	72.0	8.7	67.9	.66	80.4	77.7	„	0.1		Pos.	2.0		3.00
Noon.	.037	.473	80.8	69.8	11.0	62.2	.58	80.5	77.9	„	0.0	None.	Pos.	5.0		2.00
1 p. m.	.006	.307	85.8	74.0	11.8	68.8	.58	84.0	78.4	„	0.0		Pos.	10.0		Above 10m.
2 „	29.986	.251	85.8	75.0	10.8	70.3	.61	84.5	78.6	NW	0.1		Pos.	18.0		Above 10m.
3 „	.979	.177	86.8	77.0	9.8	73.0	.65	85.0	79.0	„	0.1		Pos.	Out of Sc.	14.0	0.06
4 „	.984	.193	85.3	76.3	9.0	72.6	.67	83.8	79.2	NNW	0.1		Pos.	10.0		0.14
5 „	.984	.163	81.5	76.0	5.5	73.8	.78	81.4	79.0	„	0.2		Pos.	10.0		0.16
6 „	.991	.158	79.7	75.8	3.9	74.2	.84	80.5	78.8	„	0.1		Pos.	12.0		0.10
7 „	.999	.218	78.2	74.0	4.2	72.2	.82	79.1	78.7	N b W	0.1		Pos.	20.0		0.13
8 „	30.008	.251	77.0	73.0	4.0	71.2	.83	78.2	78.7	N	0.1		Neg.	10.0		0.17
9 „	.006	.293	76.0	71.5	4.5	69.4	.81	77.0	78.5	N b E	0.1		Pos.	2.0		3.00
10 „	.008	.301	75.6	71.2	4.4	69.1	.81	76.7	78.3	„	0.1					
11 „	.009	.342	74.4	69.7	4.7	67.3	.80	75.5	78.0	„	0.1		Pos.	2.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ≀⌣ cirro-strati; ⌣ cumulo-strati; and ⌣ nimbi.	
6	L	≀ scattered throughout; mist in hor.	ter rose 7° in one hour; and from 5 P. M., it was falling gradually till midnight.
8	N	Overcast with dense ≀; mist around hor.	
8	N	Densely clouded with ≀, and light fleecy clouds.	
6	N	" " " " "	
4	N	≀ scattered throughout.	
5	D	" "	
6	D	" "	
5	D	" "	
5	D	" "	
5	L	" "	
3	L	" "	
3	L	" "	
1	L	≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 83°0. At 9 P. M., Maximum Tension of Electricity was 15 by Volta No. 2.
0	N	Hazy.	
0	N	Haze scattered throughout, except in zth.	
0	N	Clear, except in hor.	
0	N	" " "	
0	D	" " "	
4	D	≀ scattered about.	
8	L	Densely clouded with ≀; mist around hor.	On the 10th, the Morning and Evening Maximum of Standard Barometer happened a little earlier, and Evening Minimum a little later than usual; the Morning or first Maximum being 0.085 higher than the second.
8	L	" " " " "	
6	L	" " " " "	
6	L	" " " " "	
8	L	" " " " "	
8	L	" " " " "	
8	N	Cloudy, with ≀.	At 8 A. M., the Barometer Reading was 30.136, the highest in the month.
8	N	" "	
7	N	" "	
8	N	" "	
8	S	" "	
8	S	" "	
8	S	≀ scattered throughout; moon dimly visible.	
6	S	" " " "	
6	N	" " " "	
8	N	≀ scattered throughout.	
7	N	" "	
6	L	≀ scattered throughout, except in zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°4 and 8[illegible]°. Maximum length of the Spark by Ronald's measure 0.01. At 1 A. M., the Maximum Tension being 60 by Volta No. 2.
6	N	" " "	
6	N	" " "	
6	N	≀ scattered throughout.	
6	N	" "	
7	S	" "	
8	S	" "	
8	S	Densely clouded with ≀; mist around hor.	
8	S	" " " " "	
6	L	A few lumps of ∩ in zth.; and ≀ scattered about; mist in hor.	On the 11th, at 9 P. M., the Reading of Standard Barometer was a little lower than it ought to be: the Evening Maximum of Standard Barometer was later than usual. At 1 P. M., the Temperature of Air rose 5° in *one* hour. At 7 A. M., the Temperature of Wet Bulb fell 3° in one hour, and rose 2° for the next hour; again, at noon, it fell 2°2, and rose 4°2 at 1 P. M.
4	L	≀ scattered about; mist along W hor.; and fog in NE, E, and SE hor.	
4	L	" " " " " " " "	
5	L	" " " " " " " "	
5	N	≀ scattered about; haze around hor.	
5	N	" " "	
5	N	" " "	
5	N	" " "	
8	S	Clouded with ≀; hazy.	
8	S	" "	
6	S	≀ scattered throughout.	
7	S	" "	
5	L	" "	
7	L	" "	
4	L	Light ≀ scattered about.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Depressed Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 12th-Midnight	30.010	29.372	73°7	68°6	5°1	66°0	0.78	74°8	77°9	N b E	0.0		Pos.	2.0		2.00
1 a. m.	.007	.369	72.4	68.0	4.4	66.0	.81	74.0	77.5	„	0.1		Pos.	4.0		Above 10m.
2 „	29.997	.308	73.4	70.0	3.4	68.3	.85	74.5	77.5	„	0.0		Pos.	4.0		Above 10m.
3 „	.996	.303	73.0	70.0	3.0	68.5	.87	74.4	77.3	NE	0.0			0.0		
4 „	30.001	.304	72.0	69.8	2.2	68.7	.90	73.8	77.1	„	0.0			0.0		
5 „	29.998	.289	72.2	70.2	2.0	69.2	.91	74.0	77.0	„	0.1		Pos.	4.0		3.00
6 „	30.018	.348	72.0	69.0	3.0	67.5	.91	73.1	76.8	„	0.0		Pos.	4.0		3.30
7 „	.058	.384	71.6	69.0	2.6	67.7	.88	73.1	76.6	„	0.0		Neg.	Out of Sc.	24.0	0.09
8 „	.082	.407	74.6	70.0	4.6	67.7	.80	75.4	76.8	ENE	0.1		Pos.	6.0		0.37
9 „	.090	.395	76.4	71.1	5.3	68.6	.78	76.5	77.1	E b N	0.2		Pos.	2.0		3.00
10 „	.079	.405	77.9	71.0	6.9	67.7	.72	77.9	77.3	„	0.2		Pos.	4.0		2.00
11 „	.058	.365	77.8	72.1	7.7	68.5	.70	79.7	77.6	„	0.1		Pos.	6.0		Above 10m.
Noon.	.028	.421	81.7	70.3	11.4	64.5	.58	81.0	77.9	„	0.0		Pos.	7.0		Above 10m.
1 p. m.	29.992	.320	84.6	73.0	11.6	67.6	.58	83.0	78.3	NW b N	0.1		Pos.	6.0		Above 10m.
2 „	.976	.388	85.0	70.8	14.2	63.5	.50	83.0	78.5	NW	0.1		Pos.	9.0		Above 10m.
3 „	.959	.159	87.0	77.0	10.0	73.0	.64	85.0	78.9	„	0.1			0.0		
4 „	.954	.281	85.2	73.2	12.0	67.6	.57	83.8	78.9	WNW	0.1		Pos.	4.0		Above 10m.
5 „	.958	.311	82.0	71.5	10.5	66.4	.61	81.6	78.8	„	0.1		Pos.	2.0		Above 10m.
6 „	.968	.277	79.6	72.0	7.6	68.4	.69	80.0	78.6	NW b W	0.1		Pos.	2.0		Above 10m.
7 „	.992	.301	78.0	71.5	6.5	68.4	.74	78.8	78.5	„	0.1			0.0		
8 „	30.010	.315	76.0	71.0	5.0	68.6	.79	77.8	78.1	„	0.0		Pos.	6.0		0.35
9 „	.016	.291	75.2	71.6	3.6	69.9	.84	76.2	78.0	„	0.0		Pos.	10.0		0.10
10 „	.011	.276	75.6	72.0	3.6	70.3	.85	76.6	78.0	N b E	0.0		Pos.	5.0		5.00
11 „	.003	.287	75.0	71.0	4.0	69.5	.83	76.2	77.9	„	0.0		Pos.	6.0		2.00
Jan. 14th-Midnight	29.986	.329	73.2	69.0	4.2	66.9	.82	74.4	77.4	N b E	0.0					
1 a. m.	.986	.294	74.2	70.2	4.0	68.5	.83	75.2	77.3	NE	0.0					
2 „	.977	.265	72.8	70.6	2.2	69.5	.90	74.5	77.1	„	0.0					
3 „	.963	.326	72.0	68.0	4.0	65.9	.82	73.3	77.0	N b E	0.1					
4 „	.969	.380	71.6	66.4	5.2	63.5	.77	73.0	76.7	N	0.1					
5 „	.956	.405	71.0	65.0	6.0	61.5	.73	72.0	76.6	N b E	0.1					
6 „	.997	.446	71.0	65.0	6.0	61.5	.73	72.0	76.5	NE b N	0.1					
7 „	30.010	.486	70.6	64.0	6.6	60.0	.71	72.0	76.0	„	0.1		Pos.	2.0		Above 10m.
8 „	.051	.467	73.8	67.0	6.8	63.3	.71	74.4	76.3	NE b E	0.1		Pos.	4.0		Above 10m.
9 „	.066	.473	76.0	68.0	8.0	64.9	.67	76.1	76.5	N b E	0.1		Pos.	2.0		2.00
10 „	.058	.471	79.0	68.8	10.2	63.4	.61	78.4	77.1	NNE	0.0		Pos.	2.0		5.00
11 „	.031	.430	80.4	69.7	10.7	64.1	.59	80.0	77.2	ENE	0.2		Pos.	4.0		Above 10m.
Noon.	29.999	.428	81.9	69.3	12.6	62.6	.54	81.3	77.6	„	0.0		Pos.	4.0		Above 10m.
1 p. m.	.956	.310	81.8	71.4	10.4	66.4	.61	81.2	77.6	N b W	0.2		Pos.	2.0		Above 10m.
2 „	.943	.235	82.8	73.4	9.4	69.2	.65	82.0	78.0	„	0.3		Pos.	2.0		Above 10m.
3 „	.943	.218	82.6	73.8	8.8	69.9	.67	82.2	78.2	„	0.2		Pos.	2.0		Above 10m.
4 „	.943	.212	83.1	74.1	9.0	70.2	.66	82.3	78.4	„	0.2					
5 „	.954	.232	80.2	73.0	7.2	69.8	.72	80.3	78.2	N	0.2					
6 „	.965	.254	77.8	72.0	5.8	69.3	.76	78.8	78.0	„	0.2					
7 „	.996	.312	77.0	71.0	6.0	68.1	.75	78.0	77.9	„	0.4		Pos.	1.0		Above 10m.
8 „	30.015	.343	76.5	70.5	6.0	67.6	.75	77.0	77.7	N b E	0.5					
9 „	.024	.388	76.0	69.3	6.7	65.9	.72	76.7	77.7	„	0.6		Pos.	1.0		Above 10m.
10 „	.028	.422	74.8	68.0	6.8	64.4	.71	75.4	77.6	„	0.6		Pos.	2.0		Above 10m.
11 „	.021	.443	73.8	66.8	7.0	63.0	.70	74.8	77.4	„	0.4		Pos.	3.0		Above 10m.
Jan. 15th-Midnight	.002	.446	73.2	65.9	7.3	61.8	.69	74.1	77.2	NNE	0.1		Pos.	2.0		Above 10m.
1 a. m.	29.998	.401	72.6	67.0	5.6	64.0	.76	74.0	77.0	„	0.1					
2 „	.991	.426	72.6	66.0	6.6	62.3	.72	74.0	76.8	„	0.1					
3 „	.982	.356	72.5	67.8	4.7	65.4	.80	73.8	76.6	„	0.1					
4 „	.983	.402	71.7	66.2	5.5	63.1	.76	73.0	76.5	„	0.1		Pos.	2.0		Above 10m.
5 „	30.000	.431	72.3	66.0	6.3	62.5	.73	74.0	76.6	NE b E	0.1		Pos.	1.0		Above 10m.
6 „	.004	.409	72.8	67.0	5.8	63.9	.75	74.0	76.5	ENE	0.1					
7 „	.039	.459	71.8	66.2	5.6	63.1	.75	73.2	76.2	NE	0.0					
8 „	.071	.513	73.3	66.0	7.3	61.9	.79	74.0	76.2	„	0.1					
9 „	.078	.419	76.8	68.1	8.7	63.4	.65	76.9	76.6	N b E	0.0					
10 „	.071	.507	79.2	68.2	11.0	62.2	.58	78.7	77.0	NE b E	0.2		Pos.	5.0		5.00
11 „	.049	.447	80.9	69.9	11.0	64.2	.59	80.0	77.2	„	0.0		Pos.	9.0		Above 10m.

None. None.

Amount of Clouds 0—8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ⌣≤ cirro-strati; ∩≤ cumulo-strati; and ≤≤ nimbi.	
3	L	≤ scattered, chiefly around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 83°0. At 7 A. M. on this day, the Maximum Tension of Electricity was 24 by Volta No. 2.
6	N	≤ scattered throughout.	
3	N	Light ≤ scattered about.	
2	N	≤ scattered around hor.	
2	N	" "	
3	S	" "	
5	S	≤ scattered about.	
4	S	≤ scattered about; mist along W; and fog in NE, E, and SE hor.	
4	S	" " " " " " "	
4	L	" " " " " " "	
1	L	≤ scattered about hor.; mist in hor.	
1	L	" " " "	
2	L	" " " "	
3	N	" " " "	
4	N	" " " "	
4	N	≤ scattered about; mist in hor.	
5	N	" " "	
7	S	≤ scattered throughout.	
4	S	" "	
3	S	" "	
5	S	" "	
3	S	" "	
0	S	A few ≤ about hor.	
0	S	" "	
2	L	≤ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 83°0. On the 14th, the Maximum Tension of Electricity was 4 by Volta No. 1. At 4 A. M., the Standard Barometer rose a little instead of falling. The Morning Minimum of the same happened a little later than usual.
2	N	" "	
5	N	≤ scattered about, moving SSE.	
5	N	≤ scattered about; hazy.	
5	N	≤ scattered about, except in zth.	
7	S	Clouded with ≤.	
7	S	≤ scattered throughout; a few lumps of fleecy clouds, moving E.	
8	S	≤ scattered throughout; mist in hor.	
8	S	" " " "	
5	L	" " " "	
7	L	" " " "	
6	L	" " " "	
7	L	" " " "	
6	N	≤ scattered about.	
3	N	≤ scattered about, moving E.	
2	N	" " "	
1	N	" " "	
4	S	≤ and a few ≤≤ scattered about.	
6	S	≤≤ and a few dense ≤ scattered throughout, the former moving E.	
8	S	Densely covered with ≤≤, moving E by N.	
8	S	" " " " "	
8	L	≤ and ≤≤ scattered throughout; a few stars dimly visible.	
7	L	" " " " " "	
7	L	" " " " " "	
6	L	≤ scattered throughout; a few ≤≤ in W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 83°0. On the 15th, at 11 P. M., the Maximum Tension of Electricity was 35 by Volta No. 2.
4	N	≤ scattered around hor.	
8	N	≤ scattered throughout, moving SE; hazy.	
4	N	" " " "	
2	N	≤ scattered about hor.	
3	S	≤ and ≤≤ scattered about hor.	
8	S	≤≤ and ≤ scattered throughout, the former moving E.	
8	S	" " " " " "	
6	S	≤ and ≤≤ scattered about; mist in hor.	
4	L	" " " "	
3	L	≤ scattered about hor.; mist around hor.	
3	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Reading of Straws of Volta 1.	Reading of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after the discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 15th-Noon.	30.016	29.411	81°8	70°3	11°5	64°4	0.57	81°0	77°5	NE b E	0.2					
1 p. m.	29.978	.356	82.5	71.0	11.5	65.2	.58	81.8	77.8	NW b N	0 2					
2 „	.966	.333	81.6	71.0	10.6	65.7	.60	81.0	77.8	„	0.3					
3 „	.959	.253	81.6	73.0	8.6	69.1	.67	81.5	78.0	NNW	0.4		Pos.	2.0		Above 10m.
4 „	.969	.242	80.4	73.2	7.2	70.0	.72	80.4	78.1	„	0.3		Pos.	1.0		Above 10m.
5 „	.976	.316	79.8	71.2	8.6	67.0	.61	80.0	78.1	„	0.3	None.	Pos.	1.0		3.50
6 „	.987	.270	77.3	72.0	5.3	69.6	.78	78.1	78.0	„	0.3		Pos.	1.0		5.00
7 „	30.006	.309	76.5	71.2	5.3	68.7	.78	77.5	77.8	N b W	0.1					
8 „	.027	.325	75.4	71.0	4.4	68.9	.81	76.9	77.5	N	0.1					
9 „	.027	.372	73.4	69.0	4.4	66.7	.81	74.9	77.5	„	0.0		Pos.	1.0		Above 10m.
10 „	.026	.372	72.9	68.8	4.1	66.7	.82	74.4	77.2	N b W	0.0		Pos.	3.0		0.10
11 „	.023	.370	72.3	68.6	3.7	66.7	.84	73.6	77.0	„	0.0		Pos.	Out of Sc.	35.0	0.03
Jan. 16th-Midnight	.015	.332	73.6	69.9	3.7	68.1	.85	74.7	77.0	NE b E	0.1		Pos.	4.0		2.00
1 a. m.	.010	.303	72.6	70.0	2.6	68.7	.88	74.0	76.6	„	0.1		Neg.	Out of Sc.	34.0	0.18
2 „	29.998	.404	70.0	66.0	4.0	63.8	.82	71.8	76.5	„	0.1		Pos.	18.0		0.40
3 „	.991	.389	69.8	66.2	3.6	64.2	.84	71.6	76.2	„	0.1		Pos.	1.0		Above 10m.
4 „	.991	.332	71.2	68.4	2.8	67.0	.87	72.8	76.0	„	0.2		Pos.	9.0		Above 10m.
5 „	.993	.408	70.8	66.0	4.8	63.3	.79	71.0	76.0	„	0.0		Pos.	1.0		Above 10m.
6 „	30.019	.503	68.6	63.0	5.6	59.6	.74	70.0	75.8	„	0.0		Pos.	8.0		Above 10m.
7 „	.064	.497	69.5	65.0	4.5	62.4	.80	71.0	75.5	„	0.0		Pos.	3.0		Above 10m.
8 „	.099	.503	72.7	67.0	5.7	63.9	.71	73.8	75.5	„	0.1		Neg.	18.0		0.38
9 „	.120	.539	75.6	67.5	8.1	63.1	.67	75.4	76.1	„	0.1		Pos.	4.0		3.00
10 „	.114	.512	77.9	68.9	9.0	64.2	.64	77.4	76.4	„	0.2		Pos.	6.0		Above 10m.
11 „	.092	.475	80.1	70.0	10.1	65.0	.61	79.6	76.8	„	0.1	None.	Pos.	5.0		Above 10m.
Noon.	.062	.456	83.3	70.8	12.5	64.4	.55	82.0	77.2	„	0.1		Pos.	6.0		Above 10m.
1 p. m.	.034	.339	86.0	74.0	12.0	68.6	.57	84.0	77.9	NW	0.1		Pos.	4.0		Above 10m.
2 „	.016	.348	83.0	72.4	10.6	67.4	.61	82.5	77.9	NNW	0.3		Pos.	1.0		Above 10m.
3 „	.016	.295	83.6	74.0	9.6	69.7	.65	83.0	78.2	„	0.2					
4 „	.024	.331	82.8	73.0	9.8	68.8	.64	82.2	78.3	„	0.2					
5 „	.030	.364	80.6	71.6	9.0	67.3	.65	80.5	78.3	„	0.2					
6 „	.047	.342	78.4	72.0	6.4	69.0	.74	79.0	78.0	„	0.2					
7 „	.075	.366	78.0	72.0	6.0	69.2	.76	78.8	77.9	„	0.2		Pos.	3.0		1.00
8 „	.102	.418	77.0	71.0	6.0	68.1	.75	77.9	77.8	„	0.4		Pos.	5.0		2.00
9 „	.106	.436	76.1	70.3	5.8	67.4	.76	76.9	77.6	N b W	0.3		Pos.	9.0		2.00
10 „	.107	.468	74.8	69.0	5.8	66.0	.75	75.7	77.5	„	0.2		Pos.	10.0		0.30
11 „	.103	.461	74.0	68.8	5.2	66.2	.78	75.0	77.4	„	0.2		Pos.	15.0		0.30
Jan. 17th-Midnight	.082	.510	72.0	66.0	6.0	62.7	.74	73.4	77.0	NW b W	0.0		Pos.	3.0		Above 10m.
1 a. m.	.075	.526	70.6	64.8	5.8	61.4	.74	72.8	76.6	„	0.0		Pos.	1.0		Above 10m.
2 „	.056	.515	70.8	64.6	6.2	61.0	.73	72.0	76.5	„	0.0		Pos.	1.0		Above 10m.
3 „	.039	.489	70.0	64.6	5.4	61.5	.76	71.6	76.2	„	0.1		Pos.	3.0		Above 10m.
4 „	.038	.540	70.4	63.0	7.3	58.5	.68	71.6	76.0	„	0.1		Pos.	1.0		Above 10m.
5 „	.043	.529	68.8	63.0	5.8	59.4	.73	71.0	75.8	N	0.1		Pos.	2.0		Above 10m.
6 „	.055	.507	69.6	64.4	5.2	61.4	.76	71.0	75.7	„	0.0		Pos.	4.0		Above 10m.
7 „	.085	.500	71.4	66.2	5.2	63.3	.77	72.1	75.5	NNE	0.0		Pos.	9.0		6.00
8 „	.113	.500	74.2	68.0	6.2	64.8	.74	74.7	75.7	„	0.1		Pos.	6.0		
9 „	.127	.512	76.7	68.9	7.8	64.9	.68	76.5	76.2	„	0.2		Pos.	12.0		4.00
10 „	.120	.499	78.0	69.5	8.5	65.2	.66	77.7	76.5	NE b E	0.1		Pos.	9.0		4.00
11 „	.093	.540	79.6	68.0	11.6	61.6	.56	79.1	76.7	„	0.0		Pos.	11.0		Above 10m.
Noon.	.054	.466	83.1	70.2	12.9	63.5	.53	81.5	77.2	„	0.3	None.	Pos.	10.0	None.	Above 10m.
1 p. m.	.018	.396	83.2	71.2	12.0	65.2	.56	81.8	77.5	NW b N	0.2		Pos.	3.0		Above 10m.
2 „	29.997	.314	83.6	73.0	10.6	68.1	.61	82.4	77.8	„	0.2		Pos.	2.0		Above 10m.
3 „	.989	.271	84.0	74.0	10.0	69.6	.63	83.0	78.0	NNW	0.2		Pos.	4.0		0.30
4 „	.997	.261	83.3	74.3	9.0	70.4	.66	82.8	78.2	„	0.4		Pos.	3.0		0.15
5 „	30.003	.292	80.5	72.8	7.7	69.3	.70	80.6	78.2	„	0.4					
6 „	.024	.312	77.7	72.0	5.7	69.3	.73	79.5	78.0	„	0.4		Pos.	4.0		2.00
7 „	.052	.337	76.8	71.8	5.0	69.5	.79	77.8	77.8	„	0.4		Neg.	20.0		0.17
8 „	.069	.343	75.8	71.8	4.0	69.9	.83	77.0	77.7	„	0.4		Neg.	14.0		0.15
9 „	.071	.365	75.0	71.0	4.0	69.1	.83	76.1	77.5	„	0.2		Pos.	10.0		4.00
10 „	.071	.406	74.0	69.5	4.5	67.2	.81	75.1	77.4	„	0.2		Pos.	8.0		4.00
11 „	.063	.395	73.8	69.5	4.3	67.4	.81	74.9	77.2	„	0.1		Pos.	5.0		2.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
3	L	≈ scattered about hor.; mist around hor.	
6	N	≈ in S; ≈ scattered about, moving E.	
6	N	≈ and ≈ scattered about, the former moving E.	
7	N	" " " " "	
7	N	" " " " "	
4	S	≈ and ≈ scattered about.	
2	S	" " "	
5	S	" " "	
4	S	" " "	
2	L	" " "	
3	L	≈ scattered about, moving NE.	
3	L	" " "	
4	L	≈ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 83°0. Maximum Tension of Electricity was 34 by Volta No. 2.
2	N	≈ scattered about hor.	
1	N	"	
0	N	A few ≈ along E hor.	
0	N	"	
0	S	Clear, except in hor.	
0	S	A few ≈ in SE and S above hor.; mist in hor.	
0	S	" " " "	
0	S	Mist in hor. from SSW to NNE; fog in the remainder of hor.	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	N	A few ≈ in SE hor.; light mist along E hor.	
0	N	Mist in hor.	
0	N	" "	
0	N	A few ≈ in E hor.; mist in hor.	
0	S	A solitary cloud in ESE; mist around hor.	
0	S	Haze around hor.	
0	S	" "	
0	S	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°9. Maximum Electricity was 20 Scale divisions by Volta No. 1.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	S	"	
0	S	Mist around hor., except in E and SE.	
0	S	Mist from SW to NNE hor; fog from NE to SE hor.	
0	S	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	A few ≈ above S hor.; mist in hor. as before.	
0	L	≈ scattered about hor. from ESE to SW; mist in hor.	
0	N	Mist in hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	S	" "	
0	S	" "	
0	S	" "	
0	S	Clear.	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Reading of Straws of Volta 1.	Electrical Instruments. Reading of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 18th-Midnight	30.052	29.383	72°7	69°2	3°5	67°4	0.85	73°9	77°0	NNW	0.0		Pos.	15.0		0.10
1 a. m.	.048	.367	71.0	69.0	2.0	68.0	.91	72.8	76.5	Calm.	0.0		Neg.	9.0		0.20
2 „	.034	.373	70.4	68.2	2.2	67.1	.90	72.2	76.4	„	0.0		Neg.	3.0		Above 10m.
3 „	.025	.359	69.4	68.0	1.4	67.3	.94	71.4	76.2	„	0.0		Neg.	2.0		Above 10m.
4 „	.016	.432	68.0	65.0	3.0	63.3	.86	70.2	75.8	„	0.0		Neg.	4.0		Above 10m.
5 „	.018	.370	68.0	67.0	1.0	66.5	.95	69.0	75.7	„	0.0					
6 „	.036	.418	67.8	66.0	1.8	65.0	.91	69.5	75.3	„	0.0					
7 „	.066	.461	67.6	65.5	2.1	64.4	.90	69.7	75.0	„	0.0					
8 „	.094	.437	71.4	68.4	3.0	66.9	.86	71.8	75.3	„	0.0					
9 „	.110	.472	73.4	68.5	4.9	66.0	.79	73.6	75.6	NNE	0.0					
10 „	.112	.472	74.2	68.8	5.4	66.1	.77	74.4	75.7	NE b N	0.0					
11 „	.088	.471	76.8	69.0	7.8	65.0	.68	76.3	76.0	„	0.2	None.	Pos.	2.0	None.	3.00
Noon.	.040	.425	78.9	69.6	9.3	64.9	.64	78.1	76.4	NW b N	0.3					
1 p. m.	.016	.465	79.8	68.0	11.8	61.5	.56	79.0	76.5	NW	0.2					
2 „	29.986	.412	80.7	69.0	11.7	62.8	.56	80.0	76.7	NW b N	0.3		Pos.	1.0		Above 10m.
3 „	.972	.381	81.0	69.6	11.4	63.7	.57	80.1	77.0	„	0.4		Pos.	1.0		Above 10m.
4 „	.961	.327	81.5	71.0	10.5	65.8	.61	80.5	77.2	NNW	0.4		Pos.	3.0		Above 10m.
5 „	.963	.385	80.4	69.0	11.4	63.0	.56	79.4	77.1	„	0.4		Pos.	4.0		Above 10m.
6 „	.978	.413	77.0	67.6	9.4	62.3	.63	77.2	77.0	NW b N	1.0		Pos.	4.0		Above 10m.
7 „	.999	.443	76.4	67.0	9.4	61.8	.62	77.1	77.0	NNW	0.8		Pos.	1.0		Above 10m.
8 „	30.020	.449	76.2	67.4	8.8	62.5	.64	76.6	76.8	„	0.6		Pos.	1.0		Above 10m.
9 „	.036	.460	75.8	67.4	8.4	62.9	.66	76.1	76.8	„	0.6		Pos.	1.0		Above 10m.
10 „	.035	.485	74.8	66.3	8.5	61.5	.65	75.0	76.7	N b W	0.1		Pos.	2.0		Above 10m.
11 „	.033	.507	72.1	64.6	7.5	60.1	.68	73.1	76.4	„	0.1					
Jan. 19th-Midnight	.023	.476	71.4	65.0	6.4	61.3	.72	72.6	76.1	N b W	0.0		Pos.	2.0		10.00
1 a. m.	.009	.460	70.6	64.8	5.8	61.4	.74	72.0	75.8	„	0.0		Pos.	1.0		
2 „	29.993	.403	70.4	66.0	4.4	63.6	.80	72.0	75.6	„	0.0		Pos.	1.0		
3 „	.983	.435	69.6	64.4	5.2	61.4	.77	71.0	75.5	„	0.1					
4 „	.979	.570	67.6	59.0	8.6	52.7	.61	69.0	75.2	„	0.0					
5 „	.980	.413	69.5	65.0	4.5	62.4	.79	69.0	75.0	NNE	0.2		Pos.	2.0		Above 10m.
6 „	.988	.540	69.4	61.0	8.4	55.3	.63	70.0	75.0	NE	0.1		Pos.	2.0		Above 10m.
7 „	30.010	.491	69.2	63.3	5.9	59.7	.73	70.8	74.6	NE b N	0.2		Pos.	4.0		Above 10m.
8 „	.032	.540	70.8	63.0	7.8	58.1	.66	71.8	74.8	„	0.1		Pos.	2.0		Above 10m.
9 „	.055	.543	74.5	65.0	9.5	59.3	.61	74.2	75.0	NE b E	0.1		Pos.	2.0		Above 10m.
10 „	.042	.541	78.2	65.9	12.3	58.7	.53	77.5	75.6	N	0.2		Pos.	2.0		Above 10m.
11 „	.016	.412	81.3	69.8	11.5	64.3	.57	80.0	76.2	NNW	0.5		Pos.	3.0		4.00
Noon.	29.977	.377	82.0	70.2	11.8	64.1	.56	80.9	76.5	„	0.3	None.	Pos.	4.0	None.	4.00
1 p. m.	.943	.322	82.6	71.0	11.6	65.2	.57	81.6	76.8	„	0.2		Pos.	5.0		Above 10m.
2 „	.915	.236	84.0	73.0	11.0	67.9	.60	83.0	77.2	NW b N	0.3					
3 „	.896	.214	83.7	73.0	10.7	68.0	.61	82.9	77.4	NNW	0.4					
4 „	.898	.261	83.5	71.7	11.8	65.9	.57	82.5	77.6	„	0.4		Pos.	2.0		Above 10m.
5 „	.908	.263	81.2	71.0	10.2	66.0	.61	80.5	77.5	„	0.5		Pos.	2.0		Above 10m.
6 „	.923	.285	78.0	70.0	8.0	66.0	.68	78.3	77.3	„	0.3		Pos.	1.0		Above 10m.
7 „	.944	.269	77.2	70.8	6.4	67.7	.74	78.0	77.3	N b W	0.4		Pos.	4.0		Above 10m.
8 „	.967	.279	76.6	71.0	5.6	68.3	.77	77.2	77.2	„	0.1		Pos.	6.0		Above 10m.
9 „	.976	.312	75.6	70.0	5.6	67.2	.77	76.8	77.1	„	0.2		Pos.	12.0		0.20
10 „	.969	.300	75.2	70.0	5.2	67.4	.78	76.2	77.0	„	0.1		Pos.	9.0		0.30
11 „	.958	.358	72.4	67.0	5.4	64.1	.76	73.8	76.6	„	0.0		Pos.	10.0		2.30
Jan. 21st-Midnight	30.026	.286	74.9	71.9	3.0	70.5	.87	75.9	77.7	NE	0.0					
1 a. m.	.019	.300	73.8	71.0	2.8	69.7	.88	75.4	77.6	„	0.0					
2 „	.017	.347	73.2	69.4	3.8	67.5	.83	74.8	77.3	„	0.0		Pos.	1.0		Above 10m.
3 „	.007	.291	73.4	70.8	2.6	69.5	.88	75.0	77.1	„	0.0		Pos.	1.0		Above 10m.
4 „	.004	.287	74.0	71.0	3.0	69.6	.87	75.2	77.0	NE b E	0.1		Pos.	2.0		Above 10m.
5 „	.001	.277	73.4	71.0	2.4	69.9	.87	74.4	77.0	E	0.1					
6 „	.026	.331	72.8	70.0	2.8	68.6	.88	74.0	76.8	E b S	0.1					
7 „	.053	.315	73.4	71.4	2.0	70.5	.91	74.2	76.8	„	0.0	None.			None.	
8 „	.089	.349	75.8	72.2	3.6	70.5	.84	76.5	76.8	„	0.1					
9 „	.115	.388	76.4	72.0	4.4	70.0	.81	76.9	77.1	ESE	0.4					
10 „	.113	.402	78.8	72.3	6.5	69.3	.74	78.8	77.4	SE b E	0.2					
11 „	.094	.337	79.1	73.6	5.5	71.2	.78	79.3	77.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∩≤ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°4 and 82°9. Maximum Tension of Electricity was 15 by Volta No. 1.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	S	Clear; dew falling copiously.	On the 18th, at 4 A. M., the Temperature of Wet Bulb Thermometer fell 3°0 in one hour, and rose 2°0 for the next hour. The Maximum Electricity was 15 by Volta No. 1. Light breezes in the Evening, maximum pressure 1.0 lb. At 4 and 5 A. M. the Air Thermometer was 68°0, being 3°2 and 3°3 respectively lower than the Normal Mean.
0	S	Mist around hor.	
0	S	Mist in hor.	
0	S	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	S	A few clouds in NW hor.; mist around hor.	18th January was the fifth cloudless day from the beginning of this year.
0	S	" " " " "	
0	S	Clear; light breezes of wind.	
0	S	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°2 and 8-°8. Maximum Tension of Electricity was 12 by Volta No. 1.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
1	S	A few ≤ in S and SE.	On the 19th the Temperature of Wet Bulb Thermometer took large sweeps; it fell 4°6 at 4 A. M. in one hour, and rose 6°0 for the next hour; again, at 6 A. M., it fell 4°0, and at 7 A. M. rose 2°3. At 11 A. M. it rose 3°9 in one hour, and at 11 P. M. fell 3°0. At 4 A. M. the Temperature of Wet Bulb Thermometer was 59°0, being 8°3 lower than the Normal Mean.
5	S	≤ and a few patches of ≤≤ scattered about.	
6	S	≤ scattered about; mist in hor.	
4	S	≤ and ≤≤ scattered about; mist along W hor.; and fog in NE, E, and SE hor.	
4	N	≤ and ≤≤ scattered in E hem.; mist in hor.	
1	L	≤ and ≤≤ scattered about E hor.; mist in hor.	
0	L	" " " " "	
0	L	≤ in SE above hor.; light mist from N to SE hor.	
0	L	≤ in E hor.; fog in the remainder of hor.	
0	N	A few lumps of fleecy clouds in NE and E; mist around hor.	
1	N	Fragments of fleecy clouds about E hor.; mist in hor.	
1	N	≤ and fragments of fleecy clouds about E hor.	
0	N	" " " " "	
1	N	" " " " "	
1	N	Fragments of fleecy clouds and ≤; haze scattered about.	
0	N	" " " " " "	
6	N	Fleecy clouds scattered about, moving W.	
3	N	" " " " "	
1	N	≤≤ in NE and E; ≤ in the remainder of hor.	
5	L	≤ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. Maximum Tension of Electricity was 16 by Volta No. 1.
6	N	≤ scattered about, moving N by E.	
6	N	" " " "	
6	N	≤ scattered about, moving N; a partial lunar-halo.	
4	N	≤ scattered about.	
6	S	" "	On the 20th, Circular Wind blowing.
6	S	" "	
6	S	≤ scattered about; mist in hor.	On the 21st the First Minimum of Standard Barometer was later. Wind blew in a circular motion.
5	S	≤ scattered throughout; mist from SW to N hor; and fog from N to SE hor.	
7	L	" " " " " " " "	
7	L	" " " " " " " "	
6	L	" " " " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 21st-Noon.	30.057	29.322	80°7	73°5	7°2	70°3	0.72	80°2	77°7	SE b E	0.0		Pos.	1.0		Above 10m.
1 p. m.	.028	.300	81.8	73.6	8.2	70.0	.69	80.8	77.8	WNW	0.0		Pos.	1.0		Above 10m.
2 „	29.996	.263	83.2	74.2	9.0	70.2	.66	82.0	78.2	„	0.1					
3 „	.988	.234	84.1	75.0	9.1	71.1	.66	83.0	78.5	NW b N	0.1					
4 „	.989	.301	82.8	72.8	10.0	68.1	.63	81.9	78.5	NNW	0.2		Pos.	3.0		Above 10m.
5 „	.996	.270	81.5	73.5	8.0	69.9	.69	81.0	78.6	„	0.4		Pos.	16.0		2.00
6 „	30.008	.236	79.0	74.0	5.0	71.8	.80	79.8	78.4	„	0.3	None.				
7 „	.032	.318	77.5	72.0	5.5	69.4	.77	78.4	78.2	„	0.1		Pos.	3.0		4.20
8 „	.036	.316	77.0	72.0	5.0	69.7	.79	78.8	78.0	N	0.1		Pos.	3.0		1.30
9 „	.047	.322	75.6	71.7	3.9	69.9	.83	76.3	78.0	N b E	0.1		Pos.	10.0		0.10
10 „	.053	.409	74.4	69.0	5.4	66.3	.77	75.4	77.8	„	0.1		Pos.	3.0		3.00
11 „	.033	.425	73.4	67.6	5.8	64.5	.75	74.5	77.5	„	0.0		Pos.	3.0		3.00
Jan. 22nd-Midnight	.015	.308	74.0	70.7	3.3	69.1	.86	75.0	77.4	N b E	0.0		Pos.	3.0		4.00
1 a. m.	.007	.316	74.6	70.4	4.2	68.4	.82	75.5	77.3	„	0.1		Pos.	1.0		4.00
2 „	29.993	.297	73.8	70.4	3.4	68.6	.86	75.0	77.2	ENE	0.0		Pos.	1.0		4.00
3 „	.974	.317	73.8	69.2	4.6	66.9	.80	74.9	77.1	„	0.1					
4 „	.956	.272	73.8	70.0	3.8	68.1	.83	74.9	77.0	„	0.0					
5 „	.943	.352	73.2	67.0	6.2	63.7	.73	74.2	76.9	E	0.0					
6 „	.963	.370	73.0	67.0	6.0	63.8	.74	74.0	76.8	E b N	0.2					
7 „	.995	.292	74.0	70.6	3.4	69.0	.85	75.0	76.6	ENE	0.1					
8 „	30.015	.333	75.6	70.5	5.1	68.0	.78	76.0	76.7	„	0.1		Pos.	6.0		1.00
9 „	.046	.397	77.0	70.0	7.0	66.5	.71	77.0	77.0	E b S	0.3		Pos.	6.0		2.00
10 „	.052	.399	79.2	70.8	8.4	66.7	.67	78.8	77.3	„	0.2		Pos.	6.0		5.00
11 „	.014	.330	81.6	72.4	9.2	68.1	.65	81.0	77.7	E	0.1	None.	Pos.	4.0		3.00
Noon.	29.980	.405	83.6	70.0	13.6	62.8	.51	82.9	78.0	„	0.1		Pos.	8.0		Above 10m.
1 p. m.	.958	.292	86.6	73.4	13.2	67.3	.54	84.6	78.5	W	0.1		Pos.	20.0		Above 10m.
2 „	.933	.131	86.8	77.0	9.8	73.0	.65	85.0	78.8	„	0.2					
3 „	.925	.148	86.3	76.2	10.1	72.0	.64	85.0	79.0	„	0.1		Pos.	2.0		Above 10m.
4 „	.918	.189	86.4	75.0	11.4	70.1	.69	84.7	79.3	„	0.1					
5 „	.921	.170	84.4	75.0	9.4	71.0	.66	83.4	79.3	W b S	0.1					
6 „	.912	.122	80.8	75.0	5.8	72.6	.75	81.0	79.0	W b N	0.1		Pos	3.0		3.00
7 „	.941	.164	78.5	74.0	4.5	72.0	.81	79.5	78.9	„	0.0		Pos.	2.0		5.00
8 „	.954	.216	77.0	72.5	4.5	70.5	.81	78.2	78.6	WNW	0.0		Neg.	Out of Sc.	40.0	0.13
9 „	.956	.291	76.2	70.2	6.0	67.2	.75	77.0	78.5	N	0.1					
10 „	.958	.223	76.0	72.4	3.6	70.3	.85	77.0	78.4	„	0.0					
11 „	.961	.252	75.1	71.1	4.0	69.2	.83	76.0	78.1	SE b S	0.0					
Jan. 23rd-Midnight	.957	.247	73.7	70.7	3.0	69.2	.87	75.3	78.0	SE b S	0.0					
1 a. m.	.950	.204	74.6	72.0	2.6	70.8	.89	75.8	77.8	E b N	0.0		Pos.	20.0		1.00
2 „	.943	.235	73.6	70.6	3.0	69.1	.87	75.0	77.6	„	0.0		Neg.	Out of Sc.	32.0	0.18
3 „	.938	.261	73.8	69.8	4.0	67.8	.83	75.4	77.5	E	0.1		Neg.	Out of Sc.	28.0	1.25
4 „	.934	.277	72.0	68.6	3.4	66.9	.85	73.5	77.2	E b S	0.0					
5 „	.938	.299	71.8	68.0	3.8	66.0	.83	73.2	77.0	„	0.0					
6 „	.959	.331	71.3	67.5	3.8	65.6	.83	73.0	76.7	„	0.0					
7 „	.977	.340	72.0	68.0	4.0	65.9	.82	73.2	76.5	„	0.0					
8 „	30.003	.377	74.5	68.5	6.0	65.4	.74	75.0	76.7	„	0.0		Pos.	4.0		Above 10m.
9 „	.015	.368	76.9	69.9	7.0	66.4	.71	77.0	77.1	E b N	0.2		Pos.	6.0		2.00
10 „	.007	.362	78.3	70.3	8.0	66.3	.68	78.1	77.3	„	0.2		Pos.	11.0		1.00
11 „	29.985	.330	80.9	71.4	9.5	66.8	.64	80.2	77.6	„	0.0	None.	Pos.	25.0		0.10
Noon.	.943	.280	81.9	71.9	10.0	67.2	.62	80.9	77.9	N b W	0.0		Pos.	2.0		2.00
1 p. m.	.911	.218	82.8	73.0	9.8	68.5	.64	82.0	78.1	NW b N	0.1					
2 „	.895	.184	84.6	74.0	10.6	69.3	.62	83.5	78.4	„	0.1					
3 „	.885	.133	85.0	75.2	9.8	71.0	.64	84.0	78 7	NW	0.1		Pos.	8.0		Above 10m.
4 „	.891	.098	84.8	76.2	8.6	72.7	.68	83.8	78.9	„	0.1		Pos.	12.0		0.20
5 „	.907	.108	82.8	75.8	7.0	73.0	.73	82.0	78.9	NW b W	0.1		Neg.	16.0		0.30
6 „	.915	.113	79.7	75.0	4.7	73.0	.81	80.2	78.7	NNW	0.1		Neg.	16.0		0.35
7 „	.929	.148	78.2	74.0	4.2	72.2	.83	79.1	78.6	„	0.2		Neg.	10.0		0.40
8 „	.941	.151	77.4	74.0	3.4	72.6	.86	78.5	78.5	„	0.1		Neg.	15.0		0.30
9 „	.953	.190	76.1	72.9	3.2	71.5	.86	77.2	78.4	„	0.0		Neg.	Out of Sc.	45.0	0.05
10 „	.947	.198	75.0	72.2	2.8	70.9	.88	76.3	78.2	„	0.0		Neg.		30.0	0.02
11 „	.937	.232	73.5	70.5	3.0	69.0	.87	75.1	78.0	„	0.0		Neg.		25.0	0.02

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈∩ cirro-cumuli; ∩ cumuli; ≈— cirro-strati; ∩— cumulo-strati; and ∩≈ nimbi.	
5	L	≈ scattered about, except in W and NW; mist in hor.	
2	N	" " " " " "	
2	N	" " " " " " " [and SW hor.	
2	N	Fragments of fleecy clouds above NE and E hor.; ≈ scattered above SE, S,	
2	N	" " " " " " " " " "	
1	S	Fleecy ∩ and ≈ scattered along E hor.	
1	S	" " " "	
0	S	Fleecy ∩ in NE and E hor.	
0	S	" " "	
0	L	Fleecy ∩ from NE to SE hor.	
1	L	≈∩ and ≈ scattered in NE hem., moving W.	
4	L	≈∩ scattered about.	
3	L	≈∩ and fleecy clouds scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. Maximum Tension of Electricity was 40 by Volta No. 2.
2	N	Fleecy clouds scattered about, moving W.	
1	N	A few clouds about E and W hor.; otherwise clear.	
2	N	Fleecy clouds around hor.	
1	N	" " "	
0	S	Dense haze around hor.	
0	S	Dense clouds in NE hor.; a few ≈ about E hor.	
0	S	A few fragments of clouds in N; mist in hor.	
0	S	Fog in NE, E, and SE hor.; ≈ in remainder of hor.	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	N	Mist around hor.	
0	N	A few pieces of fleecy clouds in NE and E above hor.; mist in hor.	
0	N	" " " " " " " "	
0	N	" " " " " " " "	
0	S	≈ scattered from NE to SE; mist in hor.	
1	S	" " " "	
2	S	≈ and haze scattered about hor.	
2	S	" " "	
0	L	A few ≈ in NW, N, and NE hor.	
0	L	Clear, except in hor.	
0	L	" " "	
0	L	A few ≈ scattered about W, NW, and N hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. Maximum Tension of Electricity being 45 by Volta No. 2.
1	N	A few ≈ here and there; dew falling.	
1	N	" " " "	
0	N	Clear, except in hor.	
0	N	Light ≈ about W hor.	
1	S	≈ scattered in NW, N, and NE.	
2	S	≈ scattered around hor.	
5	S	≈ scattered about; mist from SSW to N. hor.; and fog from N to SE hor.	
4	S	" " " " " " " "	
2	L	" " " " " " " "	
3	L	≈ scattered about; mist and fog as before.	
3	L	" " " "	
3	L	" " " "	
8	N	Densely clouded with ≈.	
6	N	" " "	
6	N	" " "	
8	N	" " "	
8	S	" " "	
2	S	≈ and haze scattered around hor.	
7	S	Densely clouded with ≈.	
8	S	" " "	
7	L	" " "	
6	L	≈ scattered throughout; dew falling.	
7	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 24th–Midnight	29.918	29.204	75°3	71°3	4°0	69°4	0.83	76°4	78°0	NNW	0.1		Neg.	11.0		0.10
1 a. m.	.914	.193	74.3	71.2	3.1	69.8	.86	75.6	77.8	E	0.0		Neg.	9.0		0.07
2 „	.899	.172	73.8	71.2	2.6	69.9	.89	75.0	77.5	Calm.	0.0					
3 „	.892	.162	72.8	71.0	1.8	70.1	.92	74.6	77.3	„	0.0					
4 „	.892	.160	72.6	71.0	1.6	70.2	.93	74.0	77.2	„	0.0					
5 „	.895	.179	72.5	70.5	2.0	69.5	.91	74.0	77.1	„	0.0					
6 „	.914	.240	71.6	69.0	2.6	67.7	.88	73.0	77.0	„	0.0					
7 „	.938	.251	72.0	69.5	2.5	68.2	.89	73.1	76.9	„	0.0					
8 „	.954	.270	73.8	70.0	3.8	68.1	.83	74.5	76.8	„	0.0					
9 „	.968	.263	76.4	71.4	5.0	69.0	.79	76.8	77.0	E b S	0.0					
10 „	.966	.295	78.2	71.0	7.2	67.5	.71	78.3	77.4	„	0.1					
11 „	.943	.200	79.6	73.4	6.2	70.5	.75	79.4	77.7	„	0.0					
Noon.	.910	.116	81.2	75.2	6.0	72.8	.76	81.0	78.0	„	0.0	None.				
1 p. m.	.885	.090	81.4	75.3	6.1	72.8	.76	81.0	78.1	W	0.0					
2 „	.867	.075	82.4	75.5	6.9	72.7	.73	81.5	78.4	W b N	0.1					
3 „	.867	.026	82.9	76.9	6.0	74.5	.77	82.3	78.5	„	0.1					
4 „	.877	.054	82.8	76.4	6.4	73.8	.75	82.2	78.7	„	0.1					
5 „	.887	.099	81.0	75.0	6.0	72.5	.76	81.0	78.8	„	0.0					
6 „	.896	.086	79.0	75.0	4.0	73.3	.84	79.3	78.6	„	0.0					
7 „	.926	.171	77.2	73.0	4.2	71.2	.82	78.0	78.5	W	0.0					
8 „	.941	.176	76.3	73.0	3.3	71.6	.86	77.0	78.3	„	0.0					
9 „	.950	.156	76.0	73.7	2.3	72.8	.90	77.2	78.2	„	0.0					
10 „	.949	.164	75.8	73.4	2.4	72.4	.90	76.7	78.1	„	0.0					
11 „	.946	.164	75.4	73.2	2.2	72.2	.90	76.7	78.0	W b N	0.0					
Jan. 25th–Midnight	.945	.159	75.0	73.2	1.8	72.4	.92	76.1	78.0	W	0.0					
1 a. m.	.935	.144	75.2	73.4	1.8	72.6	.92	76.4	77.8	„	0.0					
2 „	.925	.146	75.0	73.0	2.0	72.1	.91	75.8	77.8	„	0.1					
3 „	.917	.195	73.5	71.0	2.5	69.8	.89	74.7	77.5	SE b S	0.1		Pos.	3.0		Above 10m.
4 „	.924	.215	73.4	70.6	2.8	69.2	.87	74.0	77.4	SE b E	0.1		Pos.	2.0		Above 10m.
5 „	.942	.249	73.0	70.0	3.0	68.4	.87	73.7	77.4	ESE	0.0		Pos.	1.0		Above 10m.
6 „	.956	.261	72.8	70.0	2.8	68.6	.88	73.5	77.2	„	0.0		Pos.	3.0		Above 10m.
7 „	.992	.296	72.7	70.0	2.7	68.6	.88	73.8	77.1	E	0.0		Pos.	10.0		Above 10m.
8 „	30.014	.321	73.0	70.0	3.0	68.5	.87	73.8	77.0	„	0.0		Pos.	5.0		
9 „	.020	.303	75.0	71.3	3.7	69.6	.84	75.5	77.1	ENE	0.0		Pos.	10.0		0.40
10 „	.025	.297	76.8	72.0	4.3	70.0	.82	76.9	77.2	„	0.0		Pos.	18.0		1.00
11 „	.005	.292	78.3	72.2	6.1	69.4	.75	78.3	77.5	„	0.1		Pos.	1.0		Above 10m.
Noon.	29.969	.228	81.2	73.8	7.4	70.6	.71	80.4	77.9	N	0.3	None.				
1 p. m.	.937	.184	82.5	74.5	8.0	71.1	.70	81.8	78.1	NW	0.2					
2 „	.930	.161	82.7	75.0	7.7	71.7	.71	82.2	78.4	„	0.2					
3 „	.924	.139	83.0	75.5	7.5	72.4	.71	82.5	78.6	„	0.3					
4 „	.915	.127	81.0	75.0	6.0	72.5	.76	81.0	78.5	„	0.2		Pos.	1.0		
5 „	.924	.127	80.2	75.0	5.2	72.9	.79	80.5	78.5	„	0.1			0.0		
6 „	.935	.152	78.0	74.0	4.0	72.3	.83	78.7	78.4	„	0.1		Pos.	5.0		1.00
7 „	.960	.203	77.0	73.0	4.0	71.2	.83	77.8	78.3	„	0.2		Pos.	4.0		1.30
8 „	.971	.205	76.2	73.0	3.2	71.6	.86	77.1	78.2	NW b N	0.1		Pos.	7.0		0.50
9 „	.976	.235	76.1	72.3	3.8	70.6	.84	77.0	78.1	„	0.2		Pos.	1.0		1.00
10 „	.980	.236	75.8	72.3	3.5	70.7	.85	76.7	78.0	NNW	0.2		Pos.	5.0		2.00
11 „	.964	.231	74.2	71.5	2.7	70.2	.88	75.2	77.9	„	0.1		Neg.	Out of Sc.	25.0	0.05
Jan. 26th–Midnight	.957	.224	73.2	71.2	2.0	70.2	.91	74.3	77.6	NNW	0.1		Neg.	Out of Sc.	25.0	0.03
1 a. m.	.951	.198	73.3	71.8	1.5	71.1	.93	74.5	77.4	„	0.1		Neg.	10.0		0.20
2 „	.944	.184	73.4	72.0	1.4	71.4	.94	74.5	77.4	„	0.1		Neg.	Out of Sc.	28.0	0.06
3 „	.941	.196	72.8	71.4	1.4	70.7	.94	73.8	77.2	N b W	0.1		Neg.	12.0		0.18
4 „	.948	.194	72.6	71.6	1.0	71.1	.95	73.6	77.1	„	0.1		Neg.	11.0		0.20
5 „	.957	.220	72.2	71.0	1.2	70.4	.95	73.2	77.0	N	0.1		Neg.	10.0		0.35
6 „	.966	.259	71.7	70.0	1.7	69.1	.92	72.9	76.9	N b E	0.1	None.	Neg.	8.0		0.40
7 „	.995	.278	71.8	71.0	0.8	69.6	.97	72.5	76.7	N	0.1		Neg.	12.0		0.30
8 „	30.017	.302	74.2	71.0	3.2	69.5	.86	74.8	76.8	NE	0.0		Neg.	18.0		0.25
9 „	.031	.305	75.8	71.8	4.0	69.9	.83	76.0	77.0	NE b E	0.1		Neg.	10.0		4.00
10 „	.028	.297	77.7	72.5	5.2	70.2	.79	77.5	77.2	„	0.1		Pos.	13.0		2.00
11 „	29.988	.275	79.7	72.6	7.1	69.3	.72	79.0	77.5	„	0.1		Pos.	13.0		1.00

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
7	L	Densely covered with ≀; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8.
7	N	" " " "	
7	N	≀ scattered throughout.	
8	N	Densely covered with ≀; a faint lunar-halo.	
8	N	" " " " "	
8	S	≀ scattered throughout.	
8	S	" "	
8	S	" "	
8	S	Overcast; a partial solar-halo.	
8	N	Overcast with ≀.	
8	L	" "	
7	L	" "	
8	L	" "	
8	L	" "	
8	N	" "	
8	N	" "	
8	N	Overcast; solar-halo.	
7	D	≀ scattered throughout.	
8	D	Overcast with ≀.	
6	D	≀ scattered about.	
5	D	" "	
8	L	Densely covered with ≀.	
8	L	" " "	
8	L	" " "	
6	L	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. Maximum Electricity was 25 by Volta No. 2. On the 25th, Circular Wind blowing.
7	N	" "	
7	N	≀ scattered about; dew falling copiously.	
6	N	" " " "	
6	N	≀ scattered about; lunar-halo.	
4	D	≀ scattered about.	
3	D	" "	
5	D	" "	
6	D	≀ scattered about; mist from N to S hor.; and fog in NE, E, and SE hor.	
6	L	" " " " " " " "	
7	L	" " " " " " " "	
6	L	" " " " " " " "	
6	L	" " " " " " " "	
7	N	Densely clouded with ≀.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
6	D	≀ scattered about.	
6	D	" "	
6	D	" "	
0	D	Clear, except in hor.	
2	L	≀ scattered about hor.	
1	L	≀ scattered about E hor., moving E.	
1	L	≀ scattered about E hor.; dew falling.	
1	L	≀ scattered around hor., except in NE and SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. Maximum Tension of Electricity was 28 by Volta No. 2. On the 26th, at 5 and 6 P. M., the Standard Barometer was a little lower than it ought to be.
3	N	≀ scattered about hor.; dew falling.	
6	N	≀ scattered about; dew falling.	
5	N	" " "	
6	N	" " "	
3	D	≀ scattered about hor.; dew falling copiously.	
1	D	≀ scattered around hor.; dew falling.	
2	D	≀ scattered around hor.; mist from SW to N hor.; and fog from N to SE hor.	
1	D	" " " " " " " "	
1	L	" " " " " " " "	
1	L	" " " " " " " "	
1	L	≀ scattered about N and S hor., otherwise clear.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 26th-Noon.	29.962	29.242	80°4	73°0	7°4	69°7	0.71	79°8	77°7	NW	0.2		Pos.	3.0		
1 p. m.	.932	.217	80.8	73.0	7.8	69.5	.70	80.2	77.8	„	0.3					
2 „	.903	.194	81.4	73.0	8.4	69.2	.68	80.8	77.8	„	0.6					
3 „	.897	.156	81.8	74.0	7.8	70.6	.70	81.0	78.0	„	0.4			1.0		
4 „	.902	.119	80.8	74.8	6.0	72.3	.76	80.4	78.1	„	0.4					
5 „	.897	.136	79.3	73.8	5.5	71.4	.78	79.0	78.2	NW b N	0.4					
6 „	.897	.148	76.7	72.7	4.0	70.9	.83	77.4	78.0	NNW	0.6					
7 „	.920	.174	75.9	72.4	3.5	70.8	.85	76.7	77.9	„	0.6	None.				
8 „	.931	.181	75.3	72.3	3.0	71.0	.87	76.1	77.8	„	0.4					
9 „	.942	.222	74.4	71.2	3.2	59.7	.86	75.2	77.5	N b W	0.2		Pos.	Out of Sc.	25.0	0.04
10 „	.935	.245	73.3	70.0	3.3	68.4	.85	74.2	77.4	N	0.2		Pos.	Out of Sc.	22.0	0.04
11 „	.922	.228	72.6	69.9	2.7	68.6	.88	73.8	77.2	N b E	0.1		Pos.	13.0		0.04
Jan. 28th-Midnight	.901	.274	72.0	67.7	4.3	65.4	.81	73.9	76.4	NNW	0.1		Pos.	Out of Sc.	40.0	0.04
1 a. m.	.892	.281	71.4	67.0	4.4	64.7	.80	72.8	76.1	„	0.1		Pos.	Out of Sc.	35.0	0.10
2 „	.887	.237	70.8	68.0	2.8	66.6	.87	72.4	76.0	„	0.0		Neg.	Out of Sc.	50.0	0.04
3 „	.875	.273	72.2	67.0	5.2	64.2	.77	73.4	76.0	NW	0.2		Pos.	3.0		Above 10m.
4 „	.883	.279	71.4	66.8	4.6	64.3	.79	72.4	76.0	Calm.	0.0		Pos.	4.0		Above 10m.
5 „	.894	.244	70.8	68.0	2.8	66.6	.88	72.0	75.9	„	0.0		Pos.	4.0		Above 10m.
6 „	.910	.264	71.2	68.0	3.2	66.4	.86	72.3	75.8	„	0.0		Pos.	5.0		Above 10m.
7 „	.941	.264	71.4	69.0	2.4	67.8	.89	72.1	75.7	„	0.0		Pos.	8.0		Above 10m.
8 „	.961	.268	73.0	70.0	3.0	68.5	.87	74.0	75.7	„	0.0		Pos.	3.0		Above 10m.
9 „	.987	.323	75.6	70.0	5.6	67.2	.76	73.5	76.2	E b S	0.3		Pos.	9.0		2.00
10 „	.983	.343	77.5	69.9	7.6	66.1	.69	77.2	76.4	„	0.4		Pos.	7.0		2.00
11 „	.968	.338	78.8	70.0	8.8	65.6	.65	78.5	76.6	„	0.2		Pos.	9.0		1.30
Noon.	.935	.296	79.8	70.6	9.2	66.0	.64	79.3	76.9	„	0.0		Pos.	4.0		1.30
1 p. m.	.894	.241	79.8	71.0	8.8	66.7	.64	78.0	77.0	W b S	0.0	None.	Pos.	8.0		1.30
2 „	.861	.237	80.6	70.4	10.2	65.3	.61	79.1	77.0	„	0.1		Pos.	12.0		1.30
3 „	.840	.204	81.4	71.0	10.4	65.9	.61	79.5	77.2	„	0.2		Pos.	10.0		1.30
4 „	.846	.210	81.4	71.0	10.4	65.9	.61	80.0	77.3	„	0.1		Pos.	8.0		1.40
5 „	.855	.228	79.0	70.0	9.0	65.4	.65	78.3	77.2	W	0.1		Pos.	2.0		2.00
6 „	.871	.203	75.2	70.0	5.2	67.4	.79	75.0	77.0	WNW	0.0		Pos.	2.0		1.50
7 „	.884	.302	74.0	67.0	7.0	63.2	.70	74.7	76.6	NW b W	0.0		Pos.	2.0		3.40
8 „	.912	.327	73.7	67.0	6.7	63.3	.72	74.2	76.4	„	0.0		Pos.	2.0		Above 10m.
9 „	.917	.324	72.4	66.8	5.6	63.8	.76	73.4	76.1	NW	0.0		Pos.	3.0		Above 10m.
10 „	.907	.333	71.5	65.9	5.6	62.8	.75	72.6	75.9	„	0.0		Pos.	3.0		Above 10m.
11 „	.906	.337	71.4	65.7	5.7	62.5	.75	72.4	75.8	„	0.0		Pos.	4.0		Above 10m.
Jan. 29th-Midnight	29.906	.333	71.6	65.9	5.7	62.7	.75	72.3	75.6	Calm.	0.0		Pos.	4.0		Above 10m.
1 a. m.	.896	.323	71.2	65.6	5.6	62.5	.75	72.1	75.4	„	0.0		Pos.	2.0		Above 10m.
2 „	.863	.313	70.2	64.7	5.5	61.5	.75	71.2	75.2	WNW	0.1		Pos.	6.0		Above 10m.
3 „	.862	.223	71.8	68.0	3.8	66.0	.83	72.2	75.1	SE	0.1		Pos.	6.0		Above 10m.
4 „	.868	.245	70.8	67.2	3.6	65.3	.84	72.0	75.0	„	0.0		Pos.	7.0		Above 10m.
5 „	.877	.271	71.8	67.0	4.8	64.4	.79	72.0	74.9	„	0.0		Pos.	4.0		Above 10m.
6 „	.897	.282	71.0	67.0	4.0	64.9	.82	71.3	74.9	ENE	0.0		Pos.	2.0		Above 10m.
7 „	.914	.266	71.0	68.0	3.0	66.5	.86	71.2	74.8	„	0.0		Pos.	2.0		Above 10m.
8 „	.944	.349	72.8	67.0	5.8	63.9	.75	73.0	74.9	E b S	0.0		Pos.	10.0		0.08
9 „	.971	.353	73.7	68.0	5.7	65.0	.76	74.0	75.0	„	0.0		Pos.	12.0		0.05
10 „	.976	.330	75.8	69.0	6.8	66.4	.72	75.3	75.2	„	0.2		Pos.	Out of Sc.	25.0	0.04
11 „	.959	.321	77.1	69.7	7.4	66.0	.70	76.4	75.5	„	0.2		Pos.	19.0		0.04
Noon.	.937	.311	79.1	70.0	9.1	65.4	.64	78.0	75.7	S	0.0	None.	Pos.	Out of Sc.	25.0	0.04
1 p. m.	.901	.271	78.1	69.8	8.3	65.6	.67	77.0	75.7	W b S	0.0		Pos.	20.0		Above 10m.
2 „	.881	.286	78.8	69.0	9.8	63.9	.62	78.0	75.9	NNW	0.1		Pos.	9.0		Above 10m.
3 „	.873	.298	80.1	68.8	11.3	62.8	.57	78.2	76.0	NW b W	0.1		Pos.	6.0		Above 10m.
4 „	.879	.326	79.6	68.0	11.6	61.6	.56	77.5	76.0	NW b N	0.1		Pos.	4.0		Above 10m.
5 „	.883	.347	78.2	67.0	11.2	60.7	.56	76.3	76.0	„	0.0		Pos.	2.0		Above 10m.
6 „	.904	.310	74.4	65.0	9.4	59.4	.61	73.8	75.8	„	0.1		Pos.	2.0		Above 10m.
7 „	.922	.426	73.2	64.0	9.2	58.4	.62	73.0	75.6	„	0.1		Pos.	1.0		Above 10m.
8 „	.940	.439	72.7	64.0	8.7	58.7	.63	72.2	75.4	„	0.1		Pos.	2.0		Above 10m.
9 „	.948	.456	72.4	63.6	8.8	58.1	.63	72.6	75.1	„	0.1					
10 „	.947	.444	71.8	63.6	8.2	58.8	.65	72.0	74.9	„	0.0		Pos.	1.0		Above 10m.
11 „	.946	.435	71.8	64.0	7.8	59.3	.66	72.0	74.8	„	0.0		Pos.	1.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
1	L	Cirri scattered around hor., except in N.	
2	N	Fragments of fleecy clouds in E; Cirri scattered in remainder of hor.	
2	N	" " " " " " "	
2	N	" " " " " " "	
2	N	" " " " " " "	
2	L	Cirri scattered about.	
2	L	A few patches of Cirri in SE and S; Cirri scattered about SW hor.	
0	L	Clear, except in hor.	
0	L	" " "	
0	L	" " "	
0	L	Cirri scattered about hor. and in E; dew falling.	
1	L	Cirri scattered about SE, S, and SW hor.; dew falling.	
3	L	Cirri scattered about hor. and zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°7. Maximum Electricity was 50 by Volta No. 2.
7	N	Cirri scattered throughout; a lunar-halo.	
7	N	Cirri scattered about, moving E.	
6	N	" " "	
3	N	Cirri scattered around hor., moving E.	
1	D	A few clouds about hor. from SW to N.	On the 28th, the Temperature of Wet Bulb Thermometer fell 3°0. At 7 P. M. Circular Wind blowing. At 3 P. M. the Standard Barometer was 29·840, the lowest in the month.
3	D	Patches of fleecy clouds and Cirri scattered about. [fog in NE, E, and SE hor.	
4	D	Fleecy clouds about W hor.; Cirri scattered about; mist from SW to N hor.; and	
3	D	" " " " " " " " "	
3	L	Fragments of fleecy clouds about hor., and Cirri scattered about.	
3	L	Fleecy clouds and Cirri scattered about hor.; fog along E hor.	
3	L	" " " " " " "	
3	L	Fleecy clouds scattered about hor. and zth.	
3	N	Fleecy clouds and Cirri scattered about hor.	
3	N	" " " " "	
2	N	" " " " "	
1	N	Patches of fleecy clouds and Cirri scattered around hor., except in E and SE.	
2	D	" " " " " " " " "	
3	D	" " " " " " " " "	
2	D	" " " " " " " " "	
1	D	Patches of fleecy clouds scattered here and there.	
3	L	Cirri and fleecy clouds about hor., and in SE above it.	
2	L	" " " " " "	
3	L	Fleecy clouds and Cirri scattered about hor., and a few about zth.	
4	L	Fleecy clouds and Cirri scattered about hor., and a few about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°7. Maximum Electricity was 25 by Volta No. 2. On the 29th, at 2 A. M., the Temperature of Wet Bulb Thermometer fell 0°9 in one hour, and rose 3°3 the next hour. Direction of Wind was abnormal. The Range of Air Temperature was lowest on this day.
5	N	Cirri and fleecy clouds scattered about, the latter moving E.	
3	N	Fleecy clouds and Cirri scattered about hor.	
2	N	Fleecy clouds in E hor., and Cirri in remainder of hor.	
4	N	Cirri in E, SE, and NE; and fleecy clouds scattered about, moving E.	
7	D	Fleecy clouds scattered throughout, moving NE.	
4	D	Fleecy clouds scattered about hor.	
3	D	Cirri around W hor.; and fleecy clouds scattered about, moving NE. [hor.	
8	D	Densely covered with fleecy clouds; mist from W to N hor.; and fog along E	
8	L	Overcast with fleecy clouds, moving NE.	
8	L	" " " "	
7	L	Cirri and fleecy Cirri scattered throughout.	
7	L	Cirri, fleecy Cirri, and a few Cirri scattered about.	
8	N	Overcast with Cirri and fleecy Cirri, moving E.	
4	N	Cirri in NE and E; fleecy clouds scattered about, moving E.	
3	N	Fleecy clouds around hor., and Cirri scattered about.	
2	N	" " " " " "	
3	D	Fleecy clouds above NW and W hor.; Cirri scattered about.	
4	D	Fleecy clouds about W hor.; Cirri scattered about.	
0	D	Clear, except in hor.	
1	D	A few Cirri scattered about hor.	
3	L	" " "	
6	L	Cirri and Cirri scattered about.	
4	L	Cirri scattered around hor., and also in E hem.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Jan. 30th–Midnight	29.929	29.407	70°5	63°9	6°6	59°9	0.71	71°2	74°5	Calm.	0.0					
1 a. m.	.931	.400	70.0	64.0	6.0	60.4	.73	71.0	74.2	,,	0.0		Pos.	1.0		Above 10m.
2 ,,	.920	.378	69.0	64.0	5.0	61.0	.77	70.1	74.2	,,	0.0		Pos.	1.0		Above 10m.
3 ,,	.930	.292	70.8	66.8	4.0	64.7	.82	71.0	74.1	SE b E	0.2		Pos.	1.0		Above 10m.
4 ,,	.910	.316	70.6	66.2	4.4	63.8	.80	71.0	74.0	,,	0.3		Pos.	1.0		Above 10m.
5 ,,	.912	.360	70.0	65.0	5.0	62.1	.77	70.4	74.0	,,	0.1					
6 ,,	.935	.364	69.2	65.0	4.2	62.6	.81	69.8	73.9	,,	0.1		Pos.	2.0		Above 10m.
7 ,,	.965	.362	69.2	66.0	3.2	64.3	.85	70.0	73.7	,,	0.1		Pos.	4.0		Above 10m.
8 ,,	.998	.396	72.2	67.0	5.2	64.2	.77	72.5	73.8	,,	0.1		Pos.	6.0		Above 10m.
9 ,,	30.024	.398	75.2	68.4	6.8	65.4	.76	74.6	74.1	,,	0.5		Pos.	7.0		2.00
10 ,,	.024	.421	78.1	69.0	9.1	64.3	.64	77.1	74.6	,,	0.4		Pos.	6.0		2.00
11 ,,	.016	.501	78.0	66.3	11.7	59.5	.55	76.4	74 9	,,	0.1		Pos.	6.0		3.00
Noon.	29.982	.427	78.9	67.8	11.1	61.8	.57	77.2	75.0	,,	0.1	None.	Pos.	5.0	None.	5.00
1 p. m.	.941	.386	80.0	68.2	11.8	61.8	.56	78.0	75.2	SW b W	0.0		Pos.	5.0		5.00
2 ,,	.921	.347	80.2	68.8	11.4	62.8	.57	78.1	75.4	W b N	0.0		Pos.	5.0		5.00
3 ,,	.902	.304	81.5	70.0	11.5	64.0	.57	79.5	75.6	W	0.1		Pos.	5.0		5.00
4 ,,	.907	.300	80.8	70.0	10.8	64.5	.59	79.2	75.7	W b N	0.1		Pos.	6.0		5.00
5 ,,	.907	.284	79.4	70.0	9.4	65.3	.63	78.3	75.9	,,	0.1		Pos.	4.0		5.00
6 ,,	.914	.288	76.0	69.0	7.0	65.3	.71	75.4	75.8	NW	0.1		Pos.	4.0		5.00
7 ,,	.926	.325	75.3	68.0	7.3	64.2	.69	75.1	75.6	NNW	0.1		Pos.	3.0		5.00
8 ,,	.943	.365	74.4	67.0	7.4	63.0	.69	75.5	75.5	N	0.0		Pos.	1.0		5.00
9 ,,	.952	.401	73.9	66.0	7.9	61.5	.67	74.0	75.3	N b E	0.1		Pos.	1.0		Above 10m.
10 ,,	.954	.401	73.4	65.9	7.5	61.6	.68	73.9	75.0	Calm.	0.0		Pos.	9.0		Above 10m.
11 ,,	.940	.416	71.8	64.4	7.4	60.0	.68	72.1	74.8	,,	0.0		Pos.	8.0		Above 10m.
Jan. 31st–Midnight	.926	.360	72.0	65.8	6.2	62.3	.73	72.4	74.8	Calm.	0.0		Pos.	2.0		Above 10m.
1 a. m.	.912	.375	70.6	64.4	6.2	60.8	.73	71.4	74.5	,,	0.0		Pos.	2.0		Above 10m.
2 ,,	.893	.401	70.0	62.6	7.4	58.1	.67	70.8	74.4	,,	0.0		Pos.	2.0		Above 10m.
3 ,,	.890	.443	68.1	60.5	7.6	55.3	.66	69.5	74.1	,,	0.0		Pos.	2.0		Above 10m.
4 ,,	.890	.476	66.7	58.8	7.9	53.0	.64	68.4	73.5	,,	0.0		Pos.	2.0		Above 10m.
5 ,,	.889	.490	66.7	58.0	8.7	51.9	.63	68.0	73.4	,,	0.0		Pos.	1.0		Above 10m.
6 ,,	.917	.382	69.6	64.0	5.6	60.6	.75	70.0	73.3	NE	0.1		Pos.	10.0		Above 10m.
7 ,,	.948	.447	70.0	63.0	7.0	58.7	.69	70.3	73.5	NE b E	0.1		Pos.	10.0		Above 10m.
8 ,,	.971	.438	72.6	65.0	7.6	60.5	.68	72.9	73.7	,,	0.1		Pos.	10.0		1.30
9 ,,	.991	.524	74.2	63.4	10.8	56.6	.56	73.8	73.8	,,	0.2		Pos.	5.0		4.00
10 ,,	.987	.499	76.7	65.0	11.7	57.9	.54	76.2	74.1	,,	0.5		Pos.	10.0		7.00
11 ,,	.962	.526	78.6	64.0	14.6	54.5	.46	77.4	74.5	ENE	0.4	None.	Pos.	9.0	None.	Above 10m.
Noon.	.932	.479	80.4	65.2	15.2	55.7	.45	78.6	75.0	,,	0.2		Pos.	9.0		Above 10m.
1 p. m.	.889	.386	81.2	67.0	14.2	58.8	.48	79.5	75.0	NNW	0.3		Pos.	6.0		Above 10m.
2 ,,	.856	.373	81.8	66.6	15.2	57.6	.44	80.7	75.4	N b W	0.3		Pos.	6.0		Above 10m.
3 ,,	.838	.315	82.4	68.0	14.4	60.0	.48	80.8	75.6	NNW	0.3		Pos.	9.0		Above 10m.
4 ,,	.832	.336	81.8	67.0	14.8	58.4	.47	81.0	75.7	,,	0.2		Pos.	9.0		Above 10m.
5 ,,	.831	.349	80.2	66.0	14.2	57.3	.48	78.8	75.8	,,	0.2		Pos.	7.0		Above 10m.
6 ,,	.842	.335	76.5	65.5	11.0	59.9	.57	76.4	75.7	,,	0.2		Pos.	4.0		Above 10m.
7 ,,	.870	.365	75.2	65.0	10.2	58.9	.59	75.2	75.4	N b W	0.4		Pos.	4.0		Above 10m.
8 ,,	.891	.382	74.8	65.0	9.8	59.2	.60	74.9	75.2	,,	0.7		Pos.	2.0		Above 10m.
9 ,,	.897	.410	73.4	63.8	9.6	57.8	.60	73.4	75.0	N b E	0.2		Pos.	2.0		Above 10m.
10 ,,	.897	.441	71.3	61.9	9.4	55.9	.60	71.7	74.7	,,	0.2		Pos.	1.0		Above 10m.
11 ,,	.895	.492	69.8	59.6	10.2	52.2	.56	70.4	74.4	NE b N	0.1					
Feb. 1st–Midnight	.884	.451	70.4	60.9	9.5	54.3	.59	70.9	74.2	NE b N	0.1		Pos.	1.0		Above 10m.
1 a m.	.861	.440	69.2	60.0	9.2	53.5	.59	69.7	74.1	NE	0.0		Pos.	2.0		Above 10m.
2 ,,	.839	.409	68.4	60.0	8.4	54.2	.62	69.0	74.0	,,	0.1		Pos.	1.0		Above 10m.
3 ,,	.831	.404	68.6	60.0	8.6	53.9	.62	69.3	73.9	,,	0.1		Pos.	1.0		Above 10m.
4 ,,	.825	.384	67.4	60.0	7.4	54.9	.66	68.7	73.8	,,	0.1		Pos.	3.0		Above 10m.
5 ,,	.833	.417	67.0	59.0	8.0	53.2	.63	67.8	73.6	,,	0.1	None.	Pos.	2.0	None.	Above 10m.
6 ,,	.850	.480	66.2	57.0	9.2	49.7	.58	67.0	73.4	,,	0.1		Pos.	2.0		Above 10m.
7 ,,	.885	.492	66.5	58.0	8.5	51.5	.61	67.2	72.9	NE b N	0.0		Pos.	2.0		Above 10m.
8 ,,	.918	.537	70.2	59.9	11.2	50.6	.52	70.8	72.8	,,	0.0		Pos.	2.0		Above 10m.
9 ,,	.941	.554	73.6	60.5	13.1	51.0	.47	72.9	73.1	NE	0.1					
10 ,,	.930	.525	76.0	62.0	14.0	52.4	.46	74.8	73.5	NE b E	0.1		Pos.	1.0		Above 10m.
11 ,,	.915	.479	77.8	63.7	14.1	54.5	.47	76.4	73.8	ENE	0.2		Pos.	3.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
2	L	Light ≈ along hor. from NE to SE (round by W.)	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°7. Maximum Electricity was 9 by Volta No. 1.
0	N	A few ≈ NE, E, and SE hor.; hazy.	
0	N	Clear.	
0	N	"	
0	N	"	
0	D	"	
2	D	≈ scattered in NE, E, and SE hor.; fleecy clouds about remainder of hor.	
2	D	" " " " " " " "	
1	D	Fleecy clouds from N to SE hor. (round by W); fog in NE, E, and SE hor.,	
1	L	and ≈ in remainder of hor.	
1	L	Fleecy clouds about W hor. and above it in E hor.; mist and fog as before.	
2	L	Fleecy clouds scattered about hor.; mist in hor.	
2	L	" " " " "	
2	N	Fleecy clouds scattered about hor.	
2	N	" " " "	
2	N	Fleecy clouds scattered about hor., moving E.	
2	N	" " " " "	
5	D	Fleecy clouds scattered about.	
5	D	" " "	
3	D	" " "	
2	D	" " "	
2	L	Fleecy clouds scattered about hor.	
2	L	" " " "	
3	L	Patches of fleecy clouds about hor., and a few about zth.	
6	L	Fleecy clouds scattered throughout.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°6 and 82°6. Maximum Electricity was 10 by Volta No. 1.
4	L	Patches of fleecy clouds scattered about.	
0	N	Clear, except in hor.	
0	N	" " "	
0	N	" " "	
2	D	Fleecy clouds scattered about hor.	
2	D	Patches of fleecy clouds scattered here-and there. [SE hor.	
4	D	Fleecy clouds scattered about; mist in N and NW hor.; fog in NE, E, and	
3	D	Fleecy clouds and light ≈ scattered about; mist and fog in hor. as before.	
2	L	Fleecy clouds about hor. from W to E round by S; ≈ above E and SE hor.;	
1	L	mist and fog in hor. as before.	
1	L		
1	L	Fleecy clouds above W and SW hor., and also along E hor; a few ≈ in SE and S.	
1	N	Fleecy clouds around hor., *except* in N; a few ≈ in SE.	
1	N	" " " " " "	
0	N	Fleecy clouds in E, SW, and W, and ≈ about remainder of hor.	
0	N	" " " " " " "	
0	N	Haze around hor.	
0	N	" "	
0	N	Clear.	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°4 and 82°4. Maximum Electricity was 5 by Volta No. 1.
0	D	"	
0	D	"	
0	D	"	
0	D	A few light ≈ in E and SE above hor.	
0	D	Clear.	
0	D	"	
5	D	Light ≈ scattered about; mist from SW to N hor.; fog in NE, E, and SE hor.	
4	D	" " " " " " " " "	
2	L	Light ≈ scattered in E hem. and a few in W; mist and fog in hor. as before.	
0	L	A few ≈ above E, SE, and NW hor.; light fog from N to SE hor.	
0	L	A few ≈ in SE and S; light fog from N to E hor.	

On the 30th, at 1 and 2 A. M., the Readings of Standard Barometer were unusual to its diurnal march. At 3 A. M. the Wet Bulb Thermometer rose 2°8 in one hour. At 11 A. M. it fell 2°7 in one hour, and rose 1°5 the next hour. Wind blew in a circular direction.

On the 31st, at 6 A. M., the Temperature of Wet Bulb Thermometer rose 6°0 in one hour. At 4 and 5 A. M. the Temperature of Air was 66.7 for each hour respectively, which was the lowest in the month. At 5 A. M. the Temperature of Wet Bulb Thermometer was 58°0, the lowest in the month.
There were only four cloudless days during this month.

On the 1st, fresh breezes in the Evening, Maximum Pressure 1.0 lb. At 6 A. M. the Temperatures of Wet and Dry Bulb Thermometers were lowest during the month; at this hour the Temperature of Dew-Point was 49°7, being 14°6 lower than the Normal Mean. At 3 P. M. the Reading of

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of Intensity after discharge.
	in.	in.									lbs.	in.		sc. div.	Sc. div.	
Feb. 1st—Noon.	29.874	29.444	79°1	64°0	15°1	54°1	0.44	77°5	74°1	NNW	0.2		Pos.	1.0		Above 10m.
1 p. m.	.843	.359	80.0	66.0	14.0	57.6	.48	78.6	74.5	„	0.2					
2 „	.821	.353	81.4	66.0	15.4	56.6	.45	79.9	74.8	NW b N	0.3		Pos.	2.0		Above 10m.
3 „	.811	.311	82.0	67.2	14.8	58.6	.47	80.3	75.0	NNW	0.2		Pos.	2.0		Above 10m.
4 „	.812	.248	81.6	69.0	12.6	62.2	.54	80.2	75.2	NW b N	0.3		Pos.	2.0		Above 10m.
5 „	.823	.265	79.2	68.0	11.2	61.9	.57	79.5	75.5	NNW	0.1		Pos.	1.0		Above 10m.
6 „	.840	.282	76.2	67.0	9.2	61.9	.63	77.0	75.3	„	0.0		Pos.	2.0		Above 10m.
7 „	.860	.291	75.2	67.0	8.2	62.5	.66	75.3	75.1	„	0.8	None.	Pos.	1.0	None.	Above 10m.
8 „	.872	.326	74.4	66.0	8.4	61.3	.65	74.9	75.0	„	1.0		Pos.	2.0		Above 10m.
9 „	.902	.387	73.7	64.8	8.9	59.5	.63	73.7	75.0	N b E	0.1		Pos.	5.0		Above 10m.
10 „	.913	.412	71.6	63.6	8.0	58.7	.65	72.9	74.5	„	0.0		Pos.	3.0		Above 10m.
11 „	.907	.417	71.0	63.0	8.0	58.0	.65	71.8	74.5	„	0.2		Pos.	2.0		Above 10.n.
Feb. 2nd—Midnight	.897	.396	70.0	63.0	7.0	58.7	.69	71.3	74.3	N b E	0.1		Pos.	3.0		Above 10m.
1 a. m.	.892	.374	69.3	63.3	6.0	59.7	.73	71.0	74.0	Calm.	0.0		Pos.	3.0		Above 10m.
2 „	.874	.369	69.6	63.0	6.6	58.9	.71	71.0	73.8	„	0.0		Pos.	2.0		Above 10m.
3 „	.861	.353	69.4	63.0	6.4	59.1	.72	70.7	73.7	„	0.0		Pos.	2.0		Above 10m.
4 „	.863	.347	68.6	63.0	5.6	59.5	.75	69.7	73.5	„	0.0		Pos.	3.0		Above 10m.
5 „	.873	.423	66.5	60.0	6.5	55.5	.70	68.3	73.3	„	0.0					
6 „	.901	.401	67.4	62.0	5.4	58.6	.75	68.7	73.1	„	0.0					
7 „	.923	.481	67.3	60.0	7.3	54.9	.66	69.0	73.0	„	0.0					
8 „	.958	.500	71.2	62.0	9.2	56.0	.61	71.7	73.2	„	0.0					
9 „	.980	.490	74.8	64.4	10.4	58.0	.58	74.3	73.6	„	0.0					
10 „	.982	.431	77.4	67.2	10.2	61.5	.60	76.4	74.0	E b S	0.1					
11 „	.972	.431	77.2	66.8	10.4	61.0	.59	76.2	74.3	WSW	0.1	None.			None.	
Noon.	.946	.355	79.2	69.0	10.2	63.7	.61	78.0	74.5	NW b W	0.2					
1 p. m.	.929	.296	81.0	70.8	10.2	65.7	.61	79.8	75.0	W b N	0.1					
2 „	.891	.289	81.8	70.2	11.6	64.2	.57	80.2	75.2	W	0.1					
3 „	.882	.312	82.6	69.5	13.1	62.6	.53	81.0	75.5	W b N	0.1					
4 „	.882	.318	82.2	69.2	13.0	62.2	.53	80.8	75.7	„	0.1		Pos.	2.0		Above 10m.
5 „	.884	.306	80.4	69.0	11.4	63.0	.57	80.7	75.8	WNW	0.1		Pos.	1.0		Above 10m.
6 „	.894	.312	77.0	68.0	9.0	63.2	.64	76.8	75.7	„	0.0					
7 „	.929	.369	76.0	67.0	9.0	62.0	.64	76.0	75.6	„	0.2					
8 „	.960	.396	75.6	67.0	8.6	62.2	.65	75.4	75.6	NW b W	0.1					
9 „	.971	.390	75.2	66.0	9.2	63.1	.62	75.3	75.4	Calm.	0.0					
10 „	.974	.399	74.6	67.0	7.6	62.8	.68	75.0	75.3	„	0.0		Pos.	2.0		Above 10m.
11 „	.959	.368	73.2	67.0	6.2	63.7	.73	74.0	75.3	„	0.0		Pos.	1.0		Above 10m.
Feb. 4th—Midnight	.970	.392	70.0	65.5	4.5	63.0	.80	70.7	74.6	NNE	0.0					
1 a. m.	.966	.428	68.8	63.8	5.0	60.8	.77	70.0	74.3	„	0.1					
2 „	.954	.427	68.2	63.2	5.0	60.2	.77	69.8	74.2	„	0.0					
3 „	.945	.424	67.6	62.8	4.8	59.9	.78	69.2	73.9	„	0.0					
4 „	.945	.378	69.0	64.8	4.2	62.4	.81	70.0	73.8	NE	0.1					
5 „	.959	.386	69.0	65.0	4.0	62.7	.82	69.7	73.7	ESE	0.1					
6 „	.972	.430	69.0	64.0	5.0	61.0	.77	69.4	73.6	SE b E	0.1					
7 „	.998	.518	69.2	62.0	7.2	57.4	.68	70.2	73.6	SE	0.1					
8 „	30.035	.515	71.0	64.0	7.0	59.8	.69	71.4	73.7	ESE	0.1					
9 „	.059	.537	73.6	75.0	8.6	59.9	.64	73.4	73.9	SE	0.2		Pos.	2.0		1.00
10 „	.050	.551	75.8	65.0	10.8	58.6	.57	75.2	74.2	SE b S	0.1		Pos.	3.0		2.00
11 „	.034	.497	78.1	67.0	11.1	60.8	.57	77.3	74.5	SE	0.3	None.	Pos.	2.0	None.	2.00
Noon.	29.995	.486	79.2	66.5	12.7	59.2	.52	78.3	74.9	SE b E	0.2		Pos.	2.0		2.00
1 p. m.	.959	.393	80.8	68.8	12.0	62.4	.55	79.8	75.0	NW b N	0.3		Pos.	6.0		Above 10m.
2 „	.937	.383	80.8	68.4	12.4	61.7	.54	79.5	75.4	„	0.5		Pos.	4.0		Above 10m.
3 „	.921	.339	80.0	69.0	11.0	63.2	.58	79.2	75.5	„	0.4		Pos.	4.0		Above 10m.
4 „	.909	.360	80.0	68.0	12.0	61.4	.55	79.0	75.6	„	0.6		Pos.	4.0		Above 10m.
5 „	.904	.341	78.7	68.0	10.7	62.2	.58	78.4	75.5	NNW	0.8		Pos.	2.0		Above 10m.
6 „	.910	.350	76.0	67.0	9.0	62.0	.64	76.0	75.4	„	0.7		Pos.	2.0		Above 10m.
7 „	.924	.417	75.0	65.0	10.0	59.0	.59	75.2	75.5	„	1.5		Pos.	1.0		Above 10m.
8 „	.952	.476	75.0	64.0	11.0	57.2	.56	75.0	75.4	„	1.7					
9 „	.956	.362	75.0	67.7	7.3	63.8	.70	74.9	75.3	„	1.5		Pos.	1.0		Above 10m.
10 „	.971	.510	74.2	63.2	11.0	56.2	.55	73.7	75.2	N b E	0.4		Pos.	6.0		2.00
11 „	.964	.500	71.5	62.1	9.2	56.4	.61	72.0	74.9	„	0.1		Pos.	1.0		Above 10m.

Amount of Clouds 0—8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ⌒≀ nimbi.	
0	L	A few ≀ in SE and S; light fog from N to E hor.	Barometer was 29.811, the lowest during the month.
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
3	D	Light ≀ scattered about.	
4	D	" " "	
0	D	A few clouds in W.	
0	D	Clear, except in hor.; light breezes of wind.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°2 and 82°2.
1	N	Dense ≀ scattered around hor.	
1	N	" " "	
4	N	≀ and ⌒≀ scattered about, the latter moving W.	On the 2nd, at 5 A. M., the Temperature of Wet Bulb Thermometer fell 3° in one hour, and rose 2° the next hour. At 7 A. M. again it fell 2° in one hour.
4	N	" " " "	
2	D	Fleecy clouds scattered about hor. and in zth.	
0	D	Fleecy clouds above E and SE hor.	
0	D	A few clouds in E hor.; mist from S to N hor.; and fog in NE, E, and SE hor.	
0	D	" " " " " " " "	
0	L	Mist in hor. from SW to N, and fog in NE, E, and SE hor.	
0	L	" " " " " "	
0	L	" " " " "	
0	L	A few ≀ in E and SE hor.; mist in hor.	
0	N	Mist in hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	L	A few ≀ in N and NW hor.	
0	L	Clear, except in hor.	
0	L	" " "	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°1. Maximum Electricity was 6 by Volta No. 1. On the 4th, fresh breezes in the Evening, Maximum Pressure being 1.7 lbs. At 7 A. M. the Temperature of Wet Bulb Thermometer fell 2°0 in one hour, and rose as much for the next hour. At 9 P. M. again it rose 3°7 in one hour, and fell 4°5 for the next. At 9 A.M. the Reading of Barometer was 30.059, the highest in the month.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	D	"	
0	D	" [SE hor.	
0	D	A few clouds in SW hor.; mist from SW to NW hor.; and fog in NE, E, and	
0	D	" " " " " " " " "	
0	L	A few clouds in S and SW hor.; mist and fog in hor. as before.	
0	L	Mist along W hor., and fog from N to SE hor.	
0	L	" " " " "	
0	L	" " " " "	
0	N	A few fleecy clouds in NE.	
0	N	" " "	
0	N	Mist around hor.	
0	N	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 5th-Midnight	29.951	29.510	70°6	61°2	9°4	54°9	0.60	71°0	74°6	N b E	0.1		Pos.	1.0		Above 10m.
1 a. m.	.938	.506	70.8	61.0	9.8	54.3	.58	71.7	74.4	,,	0.1		Pos.	1.0		Above 10m.
2 ,,	.926	.521	69.6	59.6	10.0	52.4	.58	70.5	74.1	,,	0.1		Pos.	1.0		Above 10m.
3 ,,	.913	.508	69.0	59.4	9.6	52.4	.58	70.0	73.9	,,	0.1		Pos.	2.0		Above 10m.
4 ,,	.917	.512	68.0	59.0	9.0	52.4	.60	69.0	73.7	,,	0.1		Pos.	1.0		Above 10m.
5 ,,	.922	.542	67.7	58.0	9.7	50.5	.57	68.3	73.5	Calm.	0.0		Pos.	2.0		Above 10m.
6 ,,	.935	.547	67.0	58.0	9.0	50 9	.59	68.0	73.4	,,	0.0					
7 ,,	.961	.498	68.0	61.0	7.0	56.3	.68	70.0	73.2	,,	0.0			2.0		Above 10m.
8 ,,	.998	.464	72.5	65.0	7.5	60.6	.68	72.7	73.5	NNE	0.0			1.0		Above 10m.
9 ,,	30.017	.501	74.2	65.0	9.2	59.6	.62	73.8	73.7	NE b E	0.1		Pos.	9.0		Above 10m.
10 ,,	.017	.516	76.1	65.2	10.9	58.7	.57	75.3	74.0	,,	0.2		Pos.	10.0		Above 10m.
11 ,,	29.982	.478	77.9	65.9	12.0	58.9	.54	76.4	74.3	NE	0.1		Pos.	10.0		7.00
Noon.	.954	.429	79.2	67.0	12.2	60.1	.54	78.1	74.6	NW b N	0.3		Pos.	6.0		Above 10m.
1 p. m.	.920	.386	80.8	67.8	13.0	60.6	.52	79.6	75.0	NW	0.2	None.	Pos.	4.0		Above 10m.
2 ,,	.883	.352	81.6	68.0	13.6	60.2	.51	80.4	75.2	,,	0.2		Pos.	5.0		Above 10m.
3 ,,	.863	.341	82.5	68.0	14.5	59.9	.48	81.1	75.5	,,	0.2		Pos.	6.0		Above 10m.
4 ,,	.860	.329	81.6	68.0	13.6	60.4	.51	80.2	75.6	,,	0.3		Pos.	2.0		Above 10m.
5 ,,	.865	.316	80.0	68.0	12.0	61.4	.55	79.1	75.6	,,	0.2		Pos.	3.0		Above 10m.
6 ,,	.867	.298	77.0	67.6	9.4	62.5	.63	77.0	75.6	NW b N	0.2		Pos.	3.0		Above 10m.
7 ,,	.893	.265	75.8	69.0	6.8	65.5	.72	76.1	75.6	NNW	0.2		Pos.	2.0		4.20
8 ,,	.908	.304	75.0	68.0	7.0	64.3	.71	75.2	75.5	,,	0.3					
9 ,,	.918	.291	74.4	68.5	5.9	65.4	.75	74.7	75.5	N b W	0.1		Pos.	Out of Sc.	30.0	0.04
10 ,,	.920	.277	72.7	68.4	4.3	66.2	.81	73.4	75.2	,,	0.1		Pos.	Out of Sc.	25.0	0.04
11 ,,	.915	.270	72.2	68.3	3.9	66.3	.83	73.0	75.0	,,	0.1		Pos.	Out of Sc.	25.0	0.04
Feb. 6th-Midnight	.910	.313	70.8	66.3	4.5	64.0	.80	71.3	74.8	N	0.0		Pos.	10.0		0.30
1 a. m.	.892	.294	69.6	66.0	3.6	64.0	.84	71.0	74.6	,,	0.0		Pos.	7.0		Above 10m.
2 ,,	.883	.261	69.8	66.8	3.0	65.2	.86	71.0	74.4	,,	0.2		Pos.	8.0		0.25
3 ,,	.877	.233	70.8	67.8	3.0	66.3	.86	71.5	74.4	NE b E	0.2		Pos.	8.0		0.20
4 ,,	.884	.255	70.0	67.0	3.0	65.4	.86	71.3	74.3	SE	0.4		Pos.	4.0		0.35
5 ,,	.894	.259	69.2	67.0	2.2	65.8	.90	71.0	74.2	,,	0.3			2.0		2.40
6 ,,	.917	.337	68.4	65.0	3.4	63.1	.84	70.2	74.1	,,	0.2			1.0		3.15
7 ,,	.931	.360	69.2	65.0	4.2	62.6	.81	70.3	73.9	SE b E	0.1		Pos.	12.0		0.10
8 ,,	.965	.363	72.2	67.0	5.2	64.2	.77	72.3	74.1	,,	0.1		Pos.	8.0		0.08
9 ,,	.994	.429	75.6	67.0	8.6	62.3	.65	74.9	74.5	SE	0.3		Pos.	10.0		1.20
10 ,,	.990	.415	77.1	67.8	9.3	62.8	.63	76.4	74.8	,,	0.1		Pos.	3.0		Above 10m.
11 ,,	.974	.536	79.5	64.4	15.1	54.7	.45	78.2	75.1	,,	0.1		Pos.	2.0		Above 10m.
Noon.	.935	.466	83.6	66.8	16.8	56.7	.42	81.6	75.6	NE b E	0.0		Pos.	6.0		Above 10m.
1 p. m.	.897	.364	84.0	68.8	15.2	60.5	.47	82.0	76.0	W	0.1	None.	Pos.	4.0	None.	Above 10m.
2 ,,	.873	.264	84.4	71.2	13.2	64.6	.53	82.8	76.2	WSW	0.2		Pos.	8.0		Above 10m.
3 ,,	.859	.225	85.2	72.0	13.2	65.6	.53	83.5	76.6	W b S	0.2		Pos.	4.0		Above 10m.
4 ,,	.863	.175	85.2	73.6	11.6	68.3	.58	84.0	76.9	,,	0.1		Pos.	8.0		Above 10m.
5 ,,	.867	.181	83.4	73.0	10.4	68.2	.61	82.8	76.9	,,	0.1		Pos.	4.0		Above 10m.
6 ,,	.879	.232	79.4	71.0	8.4	66.8	.67	80.1	76.7	,,	0.1		Pos.	2.0		Above 10m
7 ,,	.895	.246	77.0	70.0	7.0	66.5	.71	77.8	76.7	,,	0.1		Pos.	3.0		Above 10m.
8 ,,	.905	.245	76.0	70.0	6.0	67.0	.75	77.0	76.6	Calm.	0.0		Pos.	2.0		Above 10m.
9 ,,	.925	.237	75.7	70.7	5.0	68.3	.79	76.2	76.4	,,	0.0		Pos.	2.0		Above 10m.
10 ,,	.922	.232	75.1	70.6	4.5	68.4	.81	76.0	76.3	,,	0.0		Pos.	4.0		1.30
11 ,,	.929	.251	75.0	70.2	4.8	67.8	.79	75.8	76.2	,,	0.0		Pos.	4.0		2.00
Feb. 7th-Midnight	.919	.243	74.8	70.1	4.7	67.8	.80	75.4	76.1	W b S	0.0		Pos.	3.0		2.00
1 a. m.	.903	.232	75.0	70.0	5.0	67.5	.79	76.0	76.0	,,	0.1		Pos.	1.0		Above 10m.
2 ,,	.894	.228	74.8	69.8	5.0	67.3	.79	75.5	76.0	SW	0.2					
3 ,,	.888	.192	73.4	70.2	3.2	68.6	.86	74.4	75.9	SE b E	0.2					
4 ,,	.894	.228	72.4	69.0	3.4	67.3	.85	73.1	75.8	,,	0.1					
5 ,,	.905	.268	72.0	68.0	4.0	65.9	.82	72.9	75.7	,,	0·3	None.			None.	
6 ,,	.919	.282	72.0	68.0	4.0	65.9	.82	72.3	75·6	,,	0.1					
7 ,,	.941	.275	72.4	69.0	3.4	67.3	.85	73.4	75.5	SE	0.1		Pos.	2.0		Above 10m.
8 ,,	.962	.265	75.8	71.0	4.8	68.7	.80	76.0	75.6	,,	0.1		Pos.	11·0		1.20
9 ,,	.976	.254	78.5	72.5	6·0	69.8	.76	78·2	76.0	SE b S	0.2		Pos.	10.0		1.20
10 ,,	.974	.267	80.2	72.6	7.6	69.1	.70	79.6	76·3	,,	0.2		Pos.	11.0		1.20
11 ,,	.954	.294	81·1	71·6	9.5	67.0	.64	80.1	76·7	,,	0.2		Pos.	9.0		5.00

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°1. Maximum Electricity was 30 by Volta No. 2.
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	D	,,	
0	D	,,	
0	D	Mist along W hor., and fog from N to SE hor.	On the 5th, at 7 and 8 A. M., Temperature of Wet Bulb Thermometer rose 3° and 4° respectively.
0	D	,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,,	February 5th was the sixth cloudless day from the beginning of this year.
0	L	,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,,	
0	N	Light mist around hor.	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	D	Clear.	
0	D	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°1.
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	D	Clear.	On the 6th, at 10 P. M., the Barometer fell a little instead of rising; the Evening Maximum of the same was an hour later than usual. At 11 A. M. the Temperature of Wet Bulb Thermometer fell 3°4, and began to rise again from the next hour.
0	D	,,	
0	D	,,	
0	D	Mist in hor. from W to N, and fog from N to SE hor.	
0	D	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	February 6th was the seventh cloudless day from the beginning of this year.
0	N	Light mist around hor.	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	D	Light ≀ in E hor.	
0	D	Clear.	
0	D	,,	
0	D	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°1. Maximum Electricity was 18 by Volta No. 1.
0	N	A few patches of fleecy clouds scattered in N hem.	
1	N	Patches of fleecy clouds scattered about W hem.	
3	N	Fleecy clouds scattered about hor.	
2	D	,, ,, ,, ,,	
1	D	,, ,, ,, ,,	
1	D	,, ,, ,, ,,	On the 7th, the range of Wet Bulb Thermometer was 4°8, the lowest in the month.
0	D	A few patches of fleecy clouds along W hor., and fog from NW to SE hor.	
0	D	,, ,, ,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,, ,, ,,	
1	L	,, ,, ,, ,, ,, ,, ,, ,,	
1	L	Fleecy clouds in hor. from N to SE; a few patches above hor. in W and NW	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newmann's Gauge.	Electrical Instruments. Sign of Electricity + or —	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time to recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 7th—Noon.	29.927	29.279	80°9	71°2	9°7	66°5	0.63	80°0	76°7	SE b S	0.1		Pos.	10.0		Above 10m.
1 p. m.	.900	.267	82.2	71.2	11.0	65.7	.59	80.8	77.0	SSW	0.1		Pos.	4.0		Above 10m.
2 „	.880	.191	82.5	72.8	9.7	78.3	.64	81.0	77.1	„	0.1		Pos.	9.0		Above 10m.
3 „	.861	.207	83.0	72.0	11.0	66.7	.59	81.5	77.4	SW b S	0.1		Pos.	6.0		Above 10m.
4 „	.853	.203	83.4	72.0	11.4	66.6	.58	81.6	77.5	Calm	0.0		Pos.	6.0		Above 10m.
5 „	.859	.196	82.4	72.0	10.4	67.1	.61	82.0	77.5	„	0.0		Pos.	8.0		2.20
6 „	.871	.209	79.0	71.0	8.0	67.1	.68	80.0	77.4	„	0.0		Pos.	7.0		3.20
7 „	.887	.238	77.0	70.0	7.0	66.5	.71	77.2	77.2	„	0.0		Pos.	8.0		2.10
8 „	.903	.245	76.2	70.0	6.2	66.9	.74	76.7	77.1	„	0.0		Pos.	4.0		Above 10m.
9 „	.912	.284	75.8	69.0	6.8	65.5	.72	76.2	76.9	„	0.0		Pos.	4.0		Above 10m.
10 „	.910	.290	75.6	68.7	6.9	65.1	.71	76.0	76.7	„	0.0		Pos.	18.0		2.00
11 „	.907	.305	75.2	68.0	7.2	64.2	.70	75.7	76.6	SW b S	0.2		Pos.	7.0		Above 10m.
Feb. 8th—Midnight	.903	.240	75.7	70.0	5.7	67.2	.76	76.0	76.6	S b W	0.1		Pos.	9.0		1.30
1 a. m.	.880	.211	75.2	70.0	5.2	67.4	.78	76.0	76.5	SSE	0.1		Pos.	8.0		0.15
2 „	.871	.191	74.2	70.0	4.2	67.9	.82	75.0	76.5	„	0.2		Pos.	7.0		0.18
3 „	.860	.180	74.2	70.0	4.2	67.9	.82	75.0	76.4	„	0.1		Pos.	9.0		0.18
4 „	.862	.186	72.7	69.4	3.3	67.8	.85	73.8	76.2	SE b E	0.1		Pos.	4.0		1.08
5 „	.868	.193	72.0	69.0	3.0	67.5	.87	73.0	76.1	ESE	0.1		Pos.	2.0		1.08
6 „	.881	.237	71.4	68.0	3.4	66.3	.85	72.2	76.0	„	0.1		Pos.	2.0		1.08
7 „	.911	.239	71.8	69.0	2.8	67.6	.88	73.0	75.7	„	0.1					
8 „	.941	.263	74.4	70.0	4.4	67.8	.81	75.0	75.8	„	0.1					
9 „	.960	.275	77.6	71.2	6.4	68.1	.74	77.4	76.2	„	0.5		Pos.	9.0		0.40
10 „	.963	.261	79.9	72.4	7.5	68.9	.70	79.2	76.7	SE b E	0.4		Pos.	7.0		0.20
11 „	.951	.272	81.4	72.2	9.2	67.9	.65	80.3	76.9	„	0.3		Pos.	6.0		Above 10m.
Noon.	.927	.246	83.2	72.8	10.4	68.0	.62		77.2	S	0.2		Pos.	5.0		6.00
1 p. m.	.895	.174	83.6	74.0	9.6	69.7	.59	82.5	77.5	S b W	0.1		Pos.	4.0		6.00
2 „	.871	.215	83.5	72.2	11.3	66.8	.59	81.5	77.6	SW b S	0.1		Pos.	6.0		6.00
3 „	.861	.220	84.2	72.0	12.2	66.1	.56	82.0	77.7	SW	0.1		Pos.	6.0		6.00
4 „	.865	.241	84.4	71.6	12.8	65.3	.54	82.3	78.0	WSW	0.1		Pos.	4.0		6.00
5 „	.869	.254	83.2	71.0	12.2	64.9	.56	81.7	78.1	„	0.1		Pos.	4 0		Above 10m.
6 „	.880	.250	78.7	70.0	8.7	65.6	.66	78.4	78.0	Calm	0.0		Pos.	3.0		Above 10m.
7 „	.895	.246	77.0	70.0	7.0	66.5	.71	77.0	77.7	„	0.0		Pos.	2.0		Above 10m.
8 „	.915	.289	76.0	69.0	7.0	65.4	.71	76.2	77.4	„	0.0		Pos.	2.0		Above 10m.
9 „	.926	.293	74.8	68.8	6.0	65.7	.74	75.5	77.4	„	0.0		Pos.	1.0		Above 10m.
10 „	.925	.301	74.1	68.3	5.8	65.3	.75	74.8	76.9	„	0.0		Pos.	1.0		Above 10m.
11 „	.926	.319	74.7	68.0	6.7	64.5	.72	75.2	76.8	„	0.0		Pos.	2.0		Above 10m.
Feb. 9th—Midnight	.915	.334	73.2	66.7	6.5	63.1	.72	73.8	76.5	Calm	0.0		Pos.	2.0		Above 10m.
1 a. m.	.898	.322	72.8	66.4	6.4	62.9	.72	73.5	76.4	„	0.0		Pos.	1.0		Above 10m.
2 „	.888	.253	72.2	68.2	4.0	65.8	.82	73.0	76.1	„	0.0		Pos.	1.0		Above 10m.
3 „	.882	.219	72.6	69.0	3.6	67.2	.84	73.2	76.0	S b E	0.1		Pos.	4.0		Above 10m.
4 „	.883	.226	72.6	68.8	3.8	66.9	.83	73.0	76.0	SSE	0.0		Pos.	5.0		Above 10m.
5 „	.888	.251	72.0	68.0	4.0	65.9	.82	72.8	76.0	SE b E	0.0		Pos.	3.0		Above 10m.
6 „	.893	.247	71.2	68.0	3.2	66.4	.86	72.3	75.9	ESE	0.0		Pos.	2.0		Above 10m.
7 „	.916	.277	71.8	68.0	3.8	66.0	.83	72.0	75.7	„	0.1					
8 „	.945	.294	73.7	69.0	4.7	66.6	.80	74.0	75.7	„	0.1					
9 „	.974	.347	75.2	69.4	5.8	65.4	.76	74.9	75.9	„	0.2		Pos.	3.0		3.00
10 „	.988	.339	77.0	70.0	7.0	66.5	.71	76.5	76.1	E	0.1		Pos.	8.0		3.00
11 „	.975	.353	78.2	69.6	8.6	65.2	.66	77.1	76.3	„	0.1		Pos.	9.0		3.00
Noon.	.949	.296	81.1	71.4	9.7	66.7	.63	79.2	76.6	SE b S	0.0		Pos.	12.0		1.30
1 p. m.	.918	.276	81.5	71.2	10.3	66.2	.61	79.8	77.0	WNW	0.0		Pos.	6.0		Above 10m.
2 „	.889	.221	82.4	72.2	10.2	67.4	.62	80.4	77.1	W b N	0.1		Pos.	8.0		Above 10m.
3 „	.875	.168	83.6	73.6	10.0	69.1	.63	82.0	77.4	NW	0.1		Pos.	6.0		Above 10m.
4 „	.878	.221	83.4	72.2	11.2	66.9	.59	81.8	77.5	NW b W	0.2		Pos.	4.0		Above 10m.
5 „	.882	.253	82.6	71.2	11.4	65.5	.58	83.2	77.7	„	0.2		Pos.	4.0		Above 10m.
6 „	.891	.300	78.6	68.8	9.8	63.7	.62	78.0	77.5	NW	0.3		Pos.	5.0		4.00
7 „	.905	.256	77.0	70.0	7.0	66.5	.71	77.2	77.3	NW b N	0.2		Pos.	3.0		4.00
8 „	.930	.272	76.2	70.0	6.2	66.9	.74	76.3	77.0	NNW	0.1		Pos.	2.0		Above 10m.
9 „	.933	.264	75.2	70.0	5.2	67.4	.78	75.4	77.0	„	0.1		Pos.	2.0		Above 10m.
10 „	.935	.271	73.8	69.4	4.4	67.2	.81	74.4	76.7	„	0.0		Pos.	18.0		0.06
11 „	.928	.267	72.8	69.0	3.8	67.1	.83	73.5	76.5	„	0.0		Pos.	1.0		1.30

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣ cirri; ⌣ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌣ nimbi.	
1	L	Fleecy clouds in hor. from N to SE; a few patches above hor. in W and NW.	
1	N	Fragments of fleecy clouds, mist in hor.	
1	N	" " " "	
0	N	" " " "	
0	N	" " " "	
0	D	Fleecy clouds in SW, W, and NW hor.	
1	D	Fleecy clouds scattered about hor. from SW to N.	
1	D	" " " " " "	
0	D	" " " " " "	
0	L	A few patches of fleecy clouds above S, SW, NW, and N hor.	
2	L	Fragments of fleecy clouds scattered here and there, except about zth.	
2	L	" " " " " " " "	
2	L	Fleecy clouds scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°0. Maximum Electricity was 9 by Volta No. 1.
1	N	Fleecy clouds scattered about, moving E.	
0	N	Clear.	
0	N	"	
0	N	Clear, except in hor.	
1	D	Fragments of fleecy clouds scattered about.	On the 8th, the old Ground Thermometer being broken a new Standard Thermometer, by Newman, was put in its place, and the observations were commenced. At 10 P. M. the Standard Barometer fell a little instead of rising.
1	D	" " " " "	
3	D	Cloudless as during the last hor.; and fog in NE, E, and SE hor.	
3	D	" " " " " " "	
3	L	" " " " " " "	
3	L	" " " " " " "	
2	L	Fleecy clouds scattered around hor., except in NW, and fog along E hor.	
2	L	Fleecy clouds scattered around hor.	
1	N	" " " "	
1	N	" " " "	
1	N	" " " "	
1	N	" " " "	
1	D	Fragments of fleecy clouds in SW, W, and NW hor.	
1	D	" " " " " "	
0	D	A few fragments of clouds along W hor.	
0	D	Clear, except in hor.	
1	L	A few fragments of fleecy clouds scattered here and there.	
1	L	Fragments of fleecy clouds around hor.	
1	L	" " " "	
1	L	Patches of fleecy clouds scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 82°0. Maximum Electricity was 18 by Volta No. 1.
0	N	A few fragments of fleecy clouds along E hor.	
0	N	Clear, except in hor.	
0	N	" " "	
0	N	" " "	
0	D	A few fragments of clouds in hor.	
0	D	Clear, except in hor.	
0	D	A few patches about NW hor.; mist from SW to N hor., and fog in NE, E, [and SE hor.	
0	D	" " " " " " " " "	
0	L	Cloudless; mist and fog in hor. as before.	
0	L	A few clouds about the N, E, and SE hor.; mist and fog in hor. as before.	
0	L	" " " " " " " " "	
0	L	A few fragments of fleecy clouds in NW hor.; and fog from N to SE hor.	
0	N	Light mist around hor.	
0	N	" " "	
0	N	" " "	
0	N	" " "	
0	D	" " "	
0	D	" " "	
0	D	Clear, except in hor.	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the sensible degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 11th-Midnight	29.937	29.244	73°0	70°0	3°0	68°5	0.87	74°2	76°5	Calm.	0.0		Pos.	4.0		1.00
1 a. m.	.930	.237	73.0	70.0	3.0	68.5	.87	73.6	76.3	„	0.0		Pos.	2.0		Above 10m.
2 „	.908	.236	71.8	69.0	2.8	67.6	.88	72.4	76.1	„	0.0		Pos.	2.0		Above 10m.
3 „	.902	.227	71.0	68.8	2.2	67.7	.90	72.0	76.0	„	0.0		Pos.	4.0		2.10
4 „	.901	.218	70.8	69.0	1.8	68.1	.93	71.8	75.8	„	0.0		Pos.	3.0		4.00
5 „	.903	.255	71.0	68.0	3.0	66.5	.86	71.0	75.7	„	0.0		Pos.	2.0		Above 10m.
6 „	.925	.274	70.7	68.0	2.7	66.6	.88	71.5	75.6	NE b N	0.0		Pos.	2.0		Above 10m.
7 „	.956	.275	71.0	69.0	2.0	68.0	.91	72.7	75.5	„	0.0					
8 „	.974	.292	74.0	70.0	4.0	68.0	.83	74.4	75.7	NE	0.0					
9 „	.995	.328	75.6	70.1	5.5	67.3	.77	75.1	76.0	E	0.1		Pos.	1.0		0.30
10 „	30.001	.344	77.2	70.3	6.9	66.9	.72	76.7	76.2	„	0.1		Pos.	1.0		Above 10m.
11 „	29.992	.302	79.7	72.0	7.7	68.4	.70	78.6	76.5	„	0.1		Pos.	1.0		3.00
Noon.	.961	.316	81.2	70.9	10.3	66.3	.61	79.6	76.8	N	0.2		Pos.	1.0		7.00
1 p. m.	.934	.259	82.4	72.4	10.0	67.7	.62	80.9	77.0	NW b N	0.1	None.	Pos.	2.0		Above 10m.
2 „	.909	.249	83.5	72.3	11.2	67.0	.59	81.4	77.4	„	0.1		Pos.	2.0		Above 10m.
3 „	.895	.228	83.8	72.6	11.2	67.3	.69	81.8	77.5	„	0.1		Pos.	1.0		Above 10m.
4 „	.897	.208	83.8	73.2	10.6	68.3	.60	81.8	77.6	„	0.2		Pos.	1.0		Above 10m.
5 „	.901	.175	83.2	74.0	9.2	69.9	.65	81.7	77.9	„	0.1					
6 „	.900	.179	80.3	73.0	7.3	69.7	.71	80.5	77.8	„	0.1					
7 „	.921	.212	78.0	72.0	6.0	69.2	.76	78.0	77.7	„	0.1					
8 „	.940	.293	77.2	70.0	7.2	66.4	.71	77.3	77.6	N	0.0					
9 „	.940	.236	75.8	71.2	4.6	69.0	.80	76.2	77.4	N b E	0.0		Pos.	2.0		4.00
10 „	.936	.260	74.5	70.0	4.5	69.8	.81	75.0	77.1	„	0.0					
11 „	.929	.273	73.0	68.9	4.1	66.8	.82	74.1	76.9	„	0.0		Pos.	Out of Sc.	50.0	0.05
Feb. 12th-Midnight	.926	.248	72.9	69.5	3.4	67.8	.85	73.5	76.6	Calm.	0.0		Pos.	Out of Sc.	30.0	0.05
1 a. m.	.922	.223	72.5	70.0	2.5	68.8	.89	73.4	76.5	„	0.0					
2 „	.902	.195	72.4	70.2	2.2	69.1	.90	72.8	76.5	„	0.0					
3 „	.896	.201	71.6	69.6	2.0	68.6	.91	72.2	76.3	„	0.0					
4 „	.892	.194	71.0	69.5	1.5	68.7	.93	72.0	76.0	„	0.0		Pos.	1.0		Above 10m.
5 „	.908	.193	71.0	70.0	1.0	69.5	.95	71.8	76.0	„	0.0					
6 „	.921	.238	70.8	69.0	1.8	68.1	.92	71.8	75.9	„	0.0					
7 „	.948	.246	72.2	70.0	2.2	68.9	.90	74.2	76.0	„	0.0					
8 „	.970	.232	75.4	72.0	3.4	70.5	.85	75.7	76.1	„	0.0					
9 „	.988	.295	76.2	71.0	5.2	68.5	.78	75.8	76.4	ENE	0.2					
10 „	.987	.305	77.8	71.2	6.6	68.0	.73	77.4	76.5	„	0.2		Pos.	4.0		5.00
11 „	.985	.233	80.6	73.4	7.2	70.2	.72	79.6	76.9	„	0.1	None.	Pos.	5.0		Above 10m.
Noon.	.930	.228	82.6	73.2	9.4	68.9	.65	80.9	77.3	N b E	0.2		Pos.	4.0		Above 10m.
1 p. m.	.895	.138	83.2	74.8	8.4	71.2	.68	81.4	77.5	NW	0.2		Pos.	3.0		Above 10m.
2 „	.873	.121	83.6	74.8	8.8	71.0	.67	82.0	77.7	„	0.1		Pos.	3.0		Above 10m.
3 „	.861	.145	84.2	74.0	10.2	69.5	.63	82.2	78.0	„	0.1		Pos.	3.0		Above 10m.
4 „	.861	.142	83.8	74.0	9.8	69.7	.64	82.4	78.2	NW b N	0.2		Pos.	6.0		Above 10m.
5 „	.864	.168	82.5	73.0	9.5	68.6	.64	83.4	78.2	„	0.3		Pos.	4.0		Above 10m.
6 „	.865	.205	79.2	71.0	8.2	67.0	.68	79.0	78.2	„	0.1		Pos.	4.0		Above 10m.
7 „	.883	.245	78.0	70.0	8.0	66.0	.68	78.0	78.0	„	0.1		Pos.	3.0		Above 10m.
8 „	.905	.225	77.4	71.0	6.4	67.9	.74	77.6	77.9	„	0.2		Pos.	4.0		Above 10m.
9 „	.914	.251	77.0	70.4	6.0	67.2	.73	77.2	77.5	„	0.2					
10 „	.913	.220	76.2	71.0	5.2	68.5	.78	76.6	77.5	„	0.2					
11 „	.906	.207	75.0	70.8	4.2	68.8	.82	75.6	77.4	„	0.0					
Feb. 13th-Midnight	.902	.180	74.6	71.3	3.3	69.8	.86	75.2	77.2	Calm.	0.0		Pos.	1.0		
1 a. m.	.897	.178	73.8	71.0	2.8	69.7	.88	74.6	77.0	„	0.0					
2 „	.889	.170	73.2	70.8	2.4	69.7	.89	74.2	76.9	„	0.0					
3 „	.888	.193	72.2	69.8	2.4	68.6	.89	73.4	76.8	„	0.0					
4 „	.897	.175	72.2	70.6	1.6	69.8	.93	73.4	76.5	„	0.0					
5 „	.908	.271	72.0	68.0	4.0	65.9	.82	72.7	76.4	„	0.0					
6 „	.921	.244	71.4	69.0	2.4	67.8	.89	72.3	76.4	NNW	0.1	None.			None.	
7 „	.959	.268	73.2	70.0	3.2	68.4	.86	74.6	76.2	N b W	0.1					
8 „	.986	.284	75.4	71.0	4.4	68.9	.81	75.8	76.5	N	0.1					
9 „	30.005	.298	77.5	71.8	5.7	69.1	.77	77.3	76.7	NE b N	0.3					
10 „	.013	.314	80.2	72.4	7.8	68.8	.69	79.7	77.2	N	0.4					
11 „	29.998	.295	81.5	72.9	8.6	69.0	.67	80.4	77.5	NNW	0.2		Pos.	1.0		3.00

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌒∿ cirro-strati; ⌒⌒ cumulo-strati; and ∿∿ nimbi.	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°3 and 82°0. Maximum length of the Spark by Ronald's Measure was 0.02. At 11 P. M., Maximum Tension being 50 by Volta No. 2. On the 11th, at 6 P. M., the Standard Barometer fell a little instead of rising, and the Evening Maximum of the same happened a little earlier than usual. At 8 P. M. the Temperature of Wet Bulb Thermometer fell 2°0 in one hour, and rose 1°2 the next hour.
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	" "	
0	D	" "	
0	D	Mist in hor. from W to N, and fog in NE, E, and SE hor.	
0	D	" " " " " " "	
0	L	Fog in NE, E, and SE hor., mist in remainder of hor.	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	N	∿ from SE to SW hor.; haze in remaining parts of hor.	
0	N	" " " " " "	
0	N	" " " " " "	
0	S	Mist from NE to SE hor.	
0	D	" " "	
0	D	Clear.	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	Clear; dew falling	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°2 and 82°0. 12th February was the eighth cloudless day from the beginning of the year.
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	" "	
0	D	" "	
0	D	Mist from SW to N hor., and fog from N to SE hor.	
0	D	" " " " " " "	
0	L	Mist from S to NE hor., and also in remainder of hor.	
0	L	" " " " " "	
0	L	Mist from NW to NE hor., and fog from NE to SE hor.	
0	L	" " " " " "	
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°4 and 82°0.
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	D	A few clouds in E and SE hor.	
3	D	Fleecy clouds scattered about, moving SE.	
3	D	" " " " "	
3	D	" " " " "	
3	L	" " " " "	
4	L	" " " " "	
4	L	" " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 13th—Noon.	29.979	29.274	81°6	73°0	8°6	69°0	0.67	80°8	77°5	NNW	0.4		Pos.	2.0		Above 10m.
1 p. m.	.946	.207	82.0	74.0	8.0	70.5	.69	81.0	77.8	NW b N	0.3		Pos.	2.0		Above 10m.
2 „	.930	.200	82.8	74.0	8.8	70.1	.67	81.2	78.0	„	0.2		Pos.	1.0		Above 10m.
3 „	.920	.225	82.6	73.0	9.6	68.6	.64	80.2	78.0	„	0.3		Pos.	1.0		Above 10m.
4 „	.916	.184	82.0	73.8	8.2	70.2	.69	80.7	78.2	„	0.2		Pos.	2.0		Above 10m.
5 „	.921	.236	80.2	72.0	8.2	68.1	.68	80.4	78.1	„	0.1	None.	Pos.	2.0	None.	Above 10m.
6 „	.934	.256	77.5	71.0	6.5	67.8	.74	77.7	77.9	„	0.1		Pos.	1.0		Above 10m.
7 „	.957	.264	76.2	71.0	5.2	68.5	.78	76.5	77.7	„	0.1		Pos.	1.0		Above 10m.
8 „	.969	.309	76.0	70.0	6.0	67.0	.75	76.4	77.7	„	0.1		Pos.	1.0		Above 10m.
9 „	.974	.305	75.2	70.0	5.2	67.4	.78	75.7	77.5	„	0.0					
10 „	.972	.313	74.2	69.4	4.8	67.0	.79	74.8	77.3	„	0.2					
11 „	.966	.314	73.6	69.0	4.6	66.6	.80	74.4	77.0	„	0.1		Pos.	16.0		Above 10m.
Feb. 14th—Midnight.	.959	.300	73.0	69.0	4.0	67.0	.82	74.0	76.9	NW b N	0.0		Pos.	1.0		5.00
1 a. m.	.948	.287	72.8	69.0	3.8	67.1	.83	73.7	76.6	„	0.0					
2 „	.932	.269	72.6	69.0	3.6	67.2	.84	73.2	76.5	„	0.1					
3 „	.924	.238	72.4	69.6	2.8	68.2	.88	72.8	76.5	„	0.1					
4 „	.925	.257	71.6	68.8	2.8	67.4	.88	72.2	76.2	N b W	0.1					
5 „	.938	.290	71.0	68.0	3.0	66.5	.86	71.4	76.0	N b E	0.1					
6 „	.952	.297	70.4	68.0	2.4	66.8	.89	71.2	75.9	„	0.0					
7 „	.983	.311	71.8	69.0	2.8	67.6	.88	73.0	75.9	„	0.1					
8 „	30.006	.333	74.8	70.0	4.8	67.6	.80	75.8	76.1	NNE	0.1					
9 „	.023	.334	77.2	71.2	6.0	68.3	.75	77.1	76.4	„	0.1					
10 „	.020	.341	79.1	71.5	7.6	67.9	.70	78.5	76.7	N b W	0.3					
11 „	.011	.301	79.6	72.5	7.1	69.3	.72	78.8	77.0	NW b N	0.4					
Noon.	29.983	.268	80.4	72.9	7.5	69.5	.71	79.5	77.1	„	0.5	None.			None.	
1 p. m.	.950	.296	81.0	71.4	9.6	66.7	.63	80.1	77.4	„	0.3		Pos.	1.0		Above 10m.
2 „	.925	.266	81.9	71.8	10.1	67.0	.62	80.7	77.7	„	0.3		Pos.	1.0		Above 10m.
3 „	.911	.293	81.6	70.6	11.0	65.0	.59	80.4	77.7	„	0.4		Pos.	1.0		Above 10m.
4 „	.918	.302	81.8	70.6	11.2	64.9	.58	80.6	77.8	„	0.8		Pos.	1.0		Above 10m.
5 „	.923	.307	80.0	70.0	10.0	64.9	.62	81.4	77.7	„	0.0					
6 „	.941	.294	77.2	70.0	7.2	66.4	.71	77.4	77.6	„	0.0					
7 „	.959	.337	76.4	69.0	7.4	65.2	.70	76.6	77.5	„	0.7					
8 „	.984	.324	76.0	70.0	6.0	67.0	.75	76.2	77.2	„	0.0					
9 „	.991	.331	76.0	70.0	6.0	67.0	.75	76.1	77.2	„	0.0					
10 „	.992	.332	75.7	69.9	5.8	67.0	.76	75.9	77.1	„	0.2					
11 „	.982	.340	75.2	69.2	6.0	66.2	.75	75.4	77.0	„	0.8					
Feb. 15th—Midnight.	.969	.341	74.9	68.7	6.2	65.5	.74	75.2	77.0	NW b N	0.6					
1 a. m.	.960	.321	74.8	69.0	5.8	66.0	.75	75.2	76.9	„	0.2					
2 „	.950	.302	73.4	68.8	4.6	66.5	.80	73.4	76.6	N b E	0.4					
3 „	.943	.310	71.8	67.8	4.0	65.7	.82	72.5	76.5	„	0.1					
4 „	.941	.326	71.0	67.0	4.0	64.9	.82	71.4	76.2	„	0.1					
5 „	.950	.335	71.0	67.0	4.0	64.9	.82	71.2	76.1	N	0.1					
6 „	.959	.367	70.2	66.0	4.2	63.7	.81	70.5	76.0	N b W	0.1					
7 „	.979	.360	70.8	67.0	3.8	65.1	.73	72.0	75.8	„	0.0		Pos.	6.0		1.00
8 „	30.000	.381	73.6	68.0	5.6	65.1	.76	74.0	75.7	N	0.0		Pos.	4.0		1.30
9 „	.018	.417	76.2	68.3	7.9	64.2	.68	76.1	76.0	N b E	0.2					
10 „	.019	.402	79.0	69.7	9.3	65.0	.64	78.3	76.4	NNW	0.1					
11 „	29.999	.374	79.8	70.2	9.6	65.4	.63	78.6	76.6	NW	0.1					
Noon.	.970	.377	80.8	69.6	11.2	63.8	.58	79.2	76.8	„	0.3	None.	Pos.	1.0	None.	Above 10m.
1 p. m.	.938	.340	82.2	70.2	12.0	64.0	.56	80.4	77.1	NW b W	0.1		Pos.	1.0		Above 10m.
2 „	.910	.290	82.7	71.0	11.7	65.1	.58	81.0	77.2	NNW	0.2		Pos.	2.0		Above 10m.
3 „	.896	.267	82.6	71.2	11.4	65.5	.58	81.2	77.5	„	0.8		Pos.	1.0		Above 10m.
4 „	.892	.285	82.6	70.6	12.0	64.5	.56	81.2	77.7	„	0.9		Pos.	1.0		Above 10m.
5 „	.897	.266	81.8	71.0	10.8	65.9	.59	83.2	77.9	„	0.3		Pos.	2.0		Above 10m.
6 „	.912	.312	78.4	69.0	9.4	66.1	.63	78.7	77.7	„	0.4		Pos.	1.0		Above 10m.
7 „	.942	.393	77.0	67.0	10.0	61.4	.60	77.4	77.5	„	0.7					
8 „	.959	.403	76.4	67.0	9.4	61.8	.62	76.8	77.4	„	1.0					
9 „	.966	.395	76.5	67.5	9.0	62.6	.64	76.6	77.2	„	0.8					
10 „	.975	.395	76.0	67.6	8.4	63.1	.66	76.1	77.1	„	0.1					
11 „	.968	.331	74.4	68.8	5.6	65.9	.76	74.9	76.9	„	0.0					

Amoun tof Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
2	S	Fleecy clouds scattered about, moving SE.	
2	N	" " " " "	
3	N	Fleecy clouds scattered about, moving E by S.	
6	N	" " " " "	
6	N	" " " " "	
4	D	Fleecy clouds scattered about, moving SE.	
3	D	" " " " "	
2	D	" " " " "	
3	D	" " " " "	
0	L	A few fragments of fleecy clouds scattered here and there.	
0	L	A few patches of fleecy clouds in SW and N.	
0	L	A few pieces of fleecy clouds from NW to E hor. round by S.	
0	L	A few fragments of fleecy clouds from SW to NW hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°6 and 82°0. On the 14th, fresh breezes in the Evening, Maximum Pressure 1.2 lb.
0	N	A solitary cloud in W hor.; mist around hor.	
0	N	Clear, except in hor.	
0	N	" " "	
0	N	" " "	
0	D	" " "	
0	D	Clear, except a few ≀ in E hor. [to SE hor.	
5	D	A few fleecy clouds in N, NW, and W hor.; ≀ scattered about; fog from NW	
6	D	Patches of fleecy clouds scattered throughout, moving SE; fog in hor. as before.	
4	L	Fleecy clouds scattered about hor.; fog from N to SE hor.	
5	L	Patches of fleecy clouds and ≀ scattered about; fog in hor. as before.	
4	L	" " " " " " "	
3	L	Patches of fleecy clouds and ≀ scattered about, moving NE.	
4	N	≀ scattered about hor.	
4	N	" " "	
2	N	Light ≀ scattered around hor.; gusts of wind.	
1	N	" " " " "	
3	D	Light ≀ scattered about.	
2	D	" " "	
2	D	" " "	
1	D	" " "	
2	L	" " "	
2	L	" " "	
4	L	" " "	
5	L	Light ≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°6 and 82°0. On the 15th, fresh breezes in the Evening, Maximum Pressure 1.0 lb.
6	N	" " "	
2	N	" " "	
2	N	" " "	
2	N	" " "	
0	D	Light ≀ around hor.	
2	D	Light ≀ scattered about; fog from N to SE hor.	
4	D	" " " " " " "	
3	D	" " " " " " "	
3	L	" " " " " " "	
3	L	" " " " " " "	
4	L	" " " " " " "	
3	L	" " " " " " "	
1	N	A few ≀ in SW and N hor.; mist in hor.	
1	N	" " " " "	
1	N	A few ≀ in N hem.; light breezes of wind.	
1	N	" " " " "	
1	D	≀ scattered about.	
2	D	" "	
0	D	A few ≀ scattered about 2th.	
0	D	Clear.	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 16th-Midnight	29.958	29.375	72°5	66°5	6°0	63°2	0.74	73°4	76°6	NNW	0.0					
1 a. m.	.946	.349	72.6	67.0	5.6	64.0	.76	73.4	76.5	,,	0.0					
2 ,,	.934	.322	71.3	67.0	4.3	64.7	.81	72.2	76.1	,,	0.0					
3 ,,	.920	.292	71.6	67.6	4.0	65.5	.82	72.6	76.0	,,	0.1					
4 ,,	.927	.293	72.0	67.8	4.2	65.8	.81	72.4	76.0	,,	0.1					
5 ,,	.953	.363	70.4	66.0	4.4	63.6	.80	71.7	75.9	N b W	0.1					
6 ,,	.966	.372	70.0	66.0	4.0	63.8	.82	71.2	75.7	N b E	0.1					
7 ,,	.980	.329	70.7	68.0	2.7	66.6	.88	71.7	75.6	,,	0.1		Pos.	4.0		0.35
8 ,,	30.001	.381	73.5	68.0	5.5	65.1	.76	74.0	75.7	,,	0.1		Pos.	5.0		0.30
9 ,,	.023	.404	76.6	69.0	7.6	65.1	.69	76.3	76.0	,,	0.1		Pos.	3.0		1.00
10 ,,	.021	.384	79.0	70.3	8.7	65.9	.66	78.6	76.4	NE b E	0.1		Pos.	3.0		1.00
11 ,,	.007	.402	79.5	69.5	10.0	64.4	.61	78.8	76.6	N b E	0.2	None.	Pos.	3.0	None.	Above 10m.
Noon.	29.979	.358	81.1	70.5	10.6	65.2	.60	79.6	77.0	NW b N	0.1		Pos.	2.0		Above 10m.
1 p. m.	.953	.290	81.5	71.8	9.7	67.2	.63	80.0	77.0	WNW	0.1		Pos.	1.0		Above 10m.
2 ,,	.928	.263	81.3	71.8	9.5	67.2	.64	80.5	77.2	NW b W	0.1		Pos.	1.0		Above 10m.
3 ,,	.910	.220	83.0	73.0	10.0	68.4	.62	81.2	77.4	,,	0.2		Pos.	3.0		Above 10m.
4 ,,	.906	.324	83.0	70.0	13.0	63.2	.52	81.2	77.5	WNW	0.2		Pos.	1.0		Above 10m.
5 ,,	.916	.316	81.4	70.0	11.4	64.1	.57	82.0	77.6	NW	0.1		Pos.	2.0		Above 10m.
6 ,,	.929	.330	78.5	69.0	9.5	64.1	.63	78.7	77.5	,,	1.1		Pos.	2.0		Above 10m.
7 ,,	.941	.363	77.4	68.0	9.4	63.0	.62	77.5	77.4	,,	0.8		Pos.	1.0		Above 10m.
8 ,,	.966	.384	77.0	68.0	9.0	63.2	.64	77.2	77.5	,,	0.5		Pos.	2.0		Above 10m.
9 ,,	.973	.417	76.4	67.0	9.4	61.8	.62	76.7	77.4	NW b N	0.2		Pos.	1.0		Above 10m.
10 ,,	.975	.415	76.0	67.0	9.0	62.0	.64	76.3	77.3	,,	0.1					
11 ,,	.967	.396	75.0	67.0	8.0	62.6	.67	74.7	77.2	,,	0.0					
Feb. 18th-Midnight	.953	.334	74.2	68.2	6.0	65.1	.74	74.9	77.0	NW b W	0.0					
1 a. m.	.934	.319	74.0	68.0	6.0	64.9	.74	74.2	76.9	,,	0.0		Pos.	7.0		0.25
2 ,,	.924	.277	73.5	68.8	4.7	66.4	.80	73.6	76.7	NNE	0.0					
3 ,,	.913	.272	72.2	68.2	4.0	66.1	.82	72.7	76.5	,,	0.0					
4 ,,	.912	.246	72.4	69.0	3.4	67.3	.85	72.6	76.5	E b S	0.2					
5 ,,	.914	.277	72.0	68.0	4.0	65.9	.82	72.5	76.4	,,	0.1					
6 ,,	.941	.332	71.5	67.0	4.5	64.6	.80	72.0	76.3	,,	0.1					
7 ,,	.965	.332	72.4	68.0	4.4	65.7	.81	72.6	76.2	,,	0.1					
8 ,,	.994	.327	75.4	70.0	5.4	67.3	.77	75.4	76.3	,,	0.1					
9 ,,	30.012	.343	77.4	70.7	6.7	67.4	.73	76.6	76.5	E	0.1					
10 ,,	.013	.350	78.9	71.0	7.9	67.2	.69	77.9	76.8	,,	0.0					
11 ,,	29.989	.343	80.8	71.1	9.7	66.4	.63	79.7	77.0	,,	0.0	None.			None.	
Noon.	.957	.324	84.5	71.9	12.6	65.7	.55	82.4	77.6	N b W	0.0		Pos.	9.0		Above 10m.
1 p. m.	.929	.223	85.0	74.0	11.0	69.1	.60	83.2	77.9	NW	0.1		Pos.	4.0		Above 10m.
2 ,,	.903	.164	86.2	75.2	11.0	70.5	.61	84.2	78.3	NW b W	0.2		Pos.	4.0		Above 10m.
3 ,,	.882	.138	86.4	75.4	11.0	70.7	.61	84.4	78.6	,,	0.3					
4 ,,	.883	.137	84.8	75.0	9.8	70.8	.64	83.2	78.5	,,	0.6					
5 ,,	.889	.082	82.8	76.0	6.8	73.2	.74	82.3	78.4	NNW	0.2					
6 ,,	.897	.241	79.5	71.0	8.5	66.8	.67	79.4	78.3	,,	0.5					
7 ,,	.911	.342	78.2	68.0	10.2	62.5	.60	78.2	78.3	,,	0.7					
8 ,,	.930	.361	78.2	68.0	10.2	62.5	.60	78.0	78.2	,,	1.0					
9 ,,	.951	.468	77.2	65.0	12.2	57.6	.53	76.8	78.0	N b W	0.2					
10 ,,	.952	.465	74.6	64.2	10.4	57.8	.58	74.7	77.7	,,	0.0					
11 ,,	.946	.436	75.3	65.2	10.1	59.2	.59	75.2	77.5	,,	0.1					
Feb. 19th-Midnight	.936	.374	75.0	66.7	8.3	62.1	.66	74.9	77.4	N b W	0.1					
1 a. m.	.927	.372	73.5	66.0	7.5	61.8	.68	73.8	77.0	Calm.	0.0					
2 ,,	.906	.337	73.4	66.4	7.0	62.5	.70	73.7	76.9	,,	0.0					
3 ,,	.900	.337	71.6	64.0	7.6	59.3	.68	72.2	76.6	,,	0.0					
4 ,,	.901	.306	71.4	66.5	4.9	63.9	.78	72.2	76.3	,,	0.0					
5 ,,	.914	.445	70.4	62.0	8.4	56.7	.63	71.4	76.2	,,	0.0	None.			None.	
6 ,,	.948	.399	71.2	65.0	6.2	61.4	.73	72.2	76.1	,,	0.0					
7 ,,	.971	.337	72.3	68.0	4.3	65.8	.81	72.5	76.0	,,	0.0					
8 ,,	.994	.368	76.0	69.0	7.0	65.4	.71	76.0	76.3	,,	0.0					
9 ,,	30.013	.477	78.2	67.0	11.2	60.7	.57	77.4	76.5	NNE	0.2		Pos.	2.0		6.00
10 ,,	.013	.462	80.4	68.2	12.3	61.5	.54	79.9	76.9	ENE	0.4		Pos.	2.0		4.00
11 ,,	29.990	.563	85.0	66.0	19.0	53.9	.36	83.5	77.5	NE	0.0		Pos.	4.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪∩ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°6 and 82°0.
0	N	,,	
0	N	,,	
0	N	,,	
0	N	Hazy about E hor.	On the 16th, at 4 P. M., the Temperature of Wet Bulb Thermometer fell 3°0 in one hour.
0	D	,, ,,	
0	D	,, ,,	
0	D	Mist in hor. from SW to N, and fog in NE, E, and SE hor.	16th February was the eighth cloudless day from the beginning of the year.
0	D	,, ,, ,, ,, ,, ,,	
0	L	Fog from N to SE hor.	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	N	Mist around hor.	
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	D	,, ,,	
0	D	,, ,,	
0	D	Clear; light breezes of wind.	
0	D	Clear.	
0	D	,,	
0	D	,,	
0	D	,,	
5	L	Light ≤ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°7 and 82°0.
0	N	Clear, except in hor.	
0	N	,, ,, ,,	
0	N	,, ,, ,,	
0	N	A few ≤ around hor.	On the 18th, at 6 and 7 P. M., the Temperature of Wet Bulb Thermometer fell 5° and 3° respectively; and again at 9 P. M. it fell 3°0. Fresh breezes blowing in the Evening.
3	D	≤ scattered about hor.	
1	D	≤ scattered about E hor.	
0	D	Mist in hor.	
0	D	Mist in hor. from W to N.	
1	L	≤ scattered about SE and S hor.; mist around hor.	
2	L	,, ,, ,, ,, ,, ,,	
4	L	S. hem. densely clouded by ≤; mist from NW to SE hor.	
5	L	,, ,, ,, ,, ,, ,,	
0	N	Haze around hor.	
0	N	,, ,,	
1	N	Light ≤ scattered in NW; mist around hor.	
1	N	,, ,, ,, ,, ,,	
2	D	Light ≤ scattered about; mist in hor.	
3	D	Light ≤ scattered about.	
2	D	,, ,, ,,	
1	D	,, ,, ,,	
1	L	Clear, except in hor.	
0	L	,, ,,	
0	L	,, ,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 82°0.
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	D	,,	
0	D	,,	
0	D	Mist from SW to N hor. and fog in hor. from N to SE.	On the 19th, the Temperature of Wet Bulb Thermometer took large sweeps; it fell 4°5 at 5 A. M., and was rising rapidly for the next three hours. At 9 A. M. it fell 2°0 in one hour, and rose 1°2 for the next, after which it was falling till noon. At 1 and 2 P. M. it rose 6°7
0	D	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	
0	L	,, ,, ,, ,, ,, ,,	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 19th-Noon.	29.959	29.605	89°6	65°3	24°3	48°4	0.26	86°9	78°3	NE	0.1		Pos.	3.0		Above 10m.
1 p. m.	.923	.343	89.6	72.0	17.6	63.1	.43	86.5	78.8	NNW	0.1					
2 „	.899	.149	88.0	76.0	12.0	71.0	.58	86.2	78.8	NW b N	0.3					
3 „	.883	.165	87.4	75.0	12.4	69.6	.57	86.1	79.0	„	0.4					
4 „	.889	.153	87.1	75.4	11.7	70.4	.58	85.4	79.3	NNW	0.6					
5 „	.895	.175	83.7	74.0	9.7	69.7	.64	82.5	79.4	„	0.8	None.			None.	
6 „	.909	.228	80.5	72.0	8.5	68.0	.67	80.2	79.2	N b W	1.2					
7 „	.930	.307	79.4	70.0	9.4	65.3	.63	79.5	78.9	„	1.5					
8 „	.968	.445	79.4	67.0	12.4	60.0	.53	79.0	78.7	„	0.4					
9 „	.987	.546	78.2	64.0	14.2	54.9	.47	78.1	78.5	„	0.2					
10 „	.986	.477	77.2	65.8	11.4	59.2	.56	77.2	78.4	N	0.0					
11 „	.985	.492	74.4	65.4	12.0	58.2	.53	77.4	78.2	„	0.0					
Feb. 20th-Midnight	.975	.445	77.6	66.6	11.0	60.4	.57	77.0	78.2	N	0.0					
1 a. m.	.958	.323	77.6	69.8	7.8	65.8	.79	77.2	78.2	„	0.0		Pos.	2.0		0.02
2 „	.941	.308	77.8	69.8	8.0	65.7	.78	77.8	78.1	N b W	0.1					
3 „	.932	.396	76.4	66.4	10.0	60.7	.60	76.2	78.0	N	0.1					
4 „	.919	.404	75.4	65.4	10.0	59.5	.60	75.6	77.6	„	0.2					
5 „	.926	.439	74.0	64.0	10.0	57.8	.59	74.4	77.3	„	0.1					
6 „	.943	.452	73.4	64.0	9.6	58.1	.60	73.6	77.1	NNE	0.0					
7 „	.969	.505	73.6	63.0	10.4	56.4	.57	74.2	77.0	NE b N	0.0					
8 „	.987	.427	79.0	68.0	11.0	62.0	.58	78.2	77.4	„	0.0					
9 „	30.004	.439	81.3	68.9	12.4	62.3	.54	80.2	77.8	ENE	0.1					
10 „	.003	.496	84.3	68.2	16.1	59.0	.44	83.0	78.3	NE b E	0.3					
11 „	29.985	.412	87.4	71.1	16.3	62.7	.45	84.8	78.8	„	0.0	None.	Pos.	14.0	None.	4.00
Noon.	.961	.277	87.4	74.1	13.3	68.1	.54	85.9	79.0	NW b W	0.2					
1 p. m.	.939	.279	89.2	74.0	15.2	67.0	.49	87.4	79.5	W	0.1					
2 „	.907	.143	90.3	77.0	13.3	71.5	.55	88.2	80.0	NW b W	0.2					
3 „	.887	.062	88.4	78.0	10.4	73.9	.63	86.7	80.2	NW	0.5					
4 „	.883	.064	86.0	77.2	8.8	73.7	.68	84.4	80.0	NW b N	0.4					
5 „	.897	.239	84.3	72.5	11.8	66.9	.57	85.7	80.1	NNW	0.2					
6 „	.918	.132	81.2	75.0	6.2	72.4	.76	81.2	80.0	N b W	0.3					
7 „	.937	.172	79.6	74.0	5.6	71.6	.77	80.0	79.7	„	0.1					
8 „	.959	.249	79.2	72.4	6.8	69.3	.73	79.2	79.6	N	0.0					
9 „	.975	.275	78.8	72.0	6.8	68.8	.73	79.8	79.5	Calm.	0.0					
10 „	.978	.206	79.0	74.0	5.0	71.8	.80	79.5	79.5	„	0.0					
11 „	.974	.332	77.6	70.0	7.6	66.2	.69	78.4	79.4	„	0.0					
Feb. 21st-Midnight	.952	.232	77.0	72.0	5.0	69.7	.79	76.8	79.1	N	0.0					
1 a. m.	.944	.239	76.4	71.4	5.0	69.0	.79	76.4	79.0	„	0.0					
2 „	.931	.167	77.0	73.2	3.8	71.5	.84	77.2	78.9	N b E	0.0					
3 „	.912	.167	77.4	72.8	4.6	70.7	.81	77.8	78.8	NNW	0.2					
4 „	.909	.185	76.6	72.0	4.6	69.9	.81	76.7	78.7	N b W	0.1					
5 „	.916	.234	74.0	70.0	4.0	68.0	.83	74.4	78.6	„	0.0					
6 „	.931	.280	73.7	69.0	4.7	66.6	.80	74.5	78.5	„	0.0					
7 „	.975	.273	75.4	71.0	4.4	68.9	.81	76.2	78.3	E	0.0					
8 „	.993	.280	77.6	72.0	5.6	69.4	.77	78.1	78.4	E b S	0.0					
9 „	30.014	.301	80.0	72.7	7.3	69.4	.71	79.7	78.5	„	0.1					
10 „	.020	.468	82.2	68.8	13.4	61.6	.52	81.4	78.9	„	0.2					
11 „	.004	.495	84.8	68.4	16.4	59.2	.44	83.3	79.2	„	0.0	None.	Pos.	5.0	None.	Above 10m.
Noon.	29.973	.238	85.8	75.0	10.8	70.3	.61	84.0	79.5	„	0.2		Pos.	2.0		1.00
1 p. m.	.942	.232	86.0	74.4	11.6	69.3	.59	84.4	79.7	NW b W	0.1		Pos.	2.0		Above 10m.
2 „	.919	.173	87.3	75.7	11.6	70.8	.59	86.1	80.0	„	0.2		Pos.	1.0		Above 10m.
3 „	.899	.141	86.5	75.8	10.7	71.3	.62	85.2	80.1	NW	0.4		Pos.	1.0		Above 10m.
4 „	.896	.078	85.4	77.0	8.4	73.6	.69	84.4	80.3	„	0.3					
5 „	.912	.068	83.0	77.0	6.0	74.6	.77	85.7	80.4	NW b N	0.1					
6 „	.921	.131	80.8	75.0	5.8	72.6	.77	81.8	80.3	NNW	0.1					
7 „	.946	.182	79.7	74.0	5.7	71.5	.77	79.8	80.2	„	0.1					
8 „	.972	.276	79.2	72.0	7.2	68.6	.71	79.4	80.1	„	0.0					
9 „	.977	.207	79.2	74.0	5.2	71.8	.79	79.2	79.9	„	0.0					
10 „	.975	.173	79.1	74.8	4.2	73.0	.82	79.2	79.7	„	0.0					
11 „	.971	.160	79.1	75.1	4.0	73.4	.84	79.0	79.7	NE	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ≤ cirro-strati; ≥ cumulo-strati; and ≤≥ nimbi.	
0	L	Mist from SW to N hor., and fog in hor. from N to SE.	and 4°0 respectively, and from 5 P. M. to 9 P. M., it was again falling rapidly. The Air being very dry at about midday, the difference between the Dry and Wet Bulb Thermometers at 11 A. M. was 19°0, and at noon it was as high as 24°3. At this hour the Temperature of Dew Point was 48°4, the lowest during the month. Maximum Electricity was four scale divisions by Volta No. 1. Fresh breezes in the Evening. The Range of Air Temperature was 19°2, being the greatest in the month. The Range of Wet Bulb Thermometer was also large on this day.
0	N	Mist around hor.	
0	N	" "	
0	N	Fragments of fleecy clouds in SE; mist in hor.	
0	N	" " " " "	
1	D	Fleecy clouds scattered about hor. from NE to SW.	
4	D	Patches of fleecy clouds scattered about.	
8	D	Densely clouded with fleecy clouds; fresh breezes of wind.	
7	D	Nearly overcast with ≤≥ and fleecy clouds.	
8	L	Densely clouded with ≤≥ and fleecy clouds.	
8	L	" " " " "	
8	L	" " " " "	
8	L	Dense fleecy clouds scattered throughout.	
8	N	≤ and fleecy clouds scattered throughout.	
8	N	" " " " "	
8	N	Densely clouded, except a break in SE.	
8	N	≤≥ and ≤ scattered throughout, the former moving W.	
4	D	≤ scattered about.	
5	D	" "	
7	D	Densely clouded with ≤; mist from SW to N; and fog in SE, E, and NE hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°0. Maximum Tension of Electricity was 20 by Volta No. 1.
7	D	" " " " " " " " "	
7	L	" " " " " " " " "	
6	L	" " " " " " " " "	
5	L	" " " " " " " " "	
4	L	" " " " " " " " "	
4	N	≤ scattered about.	
7	N	≤ scattered throughout; mist in hor.	
4	N	" " " "	
5	N	" " " "	
4	L	≤≥ above E hor., and ≤ scattered about; misty.	
3	L	≤ and ≤≥ scattered about.	
7	L	≤≥ scattered throughout.	
8	L	" " "	
6	D	" " "	
8	D	Overcast with ≤≥, moving NW.	
8	D	" " " "	
4	D	≤≥ scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°0. Maximum Electricity was 5 by Volta No. 1. On the 21st, at 10 A. M., the Temperature of Wet Bulb Thermometer fell 3°9, and rose 6°6 at noon. At 5 P. M. the Temperature of Dew-Point was 74°6, the highest during the month.
2	N	" " " "	
2	N	" " " "	
0	N	Clear, except in hor.	
0	N	" "	
3	D	Light ≤ scattered about. [and SE hor.	
1	D	≤ scattered from E to SW hor., mist from SW to N hor.; and fog in NE, E,	
1	D	≤ scattered from E to SW hor.; mist in hor. as before.	
3	D	≤ scattered about; mist in hor.	
5	L	" " "	
4	L	" " "	
4	L	" " "	
4	L	" " "	
8	N	≤ scattered throughout; mist in hor.	
8	N	" " " "	
8	N	" " " "	
8	N	" " " "	
5	D	≤ scattered throughout.	
3	D	" "	
5	D	" "	
7	D	" "	
7	L	Densely clouded with ≤, moving E.	
7	L	" " " "	
8	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in which the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 22nd-Midnight	29.956	29.123	78°8	75°5	3°3	74°2	0.86	78°9	79°6	SE b E	0.0					
1 a. m.	.941	.116	78.4	75.2	3.2	73.9	.86	78.6	79.5	„	0.0					
2 „	.925	.085	78.4	75.6	2.8	74.5	.88	78.4	79.5	„	0.2					
3 „	.910	.235	77.8	71.0	6.8	67.7	.73	78.0	79.3	N b E	0.8					
4 „	.902	.255	77.2	70.0	7.2	66.4	.71	77.6	79.1	NW b N	0.4					
5 „	.906	.250	76.4	70.0	6.4	66.8	.73	77.2	78.8	N b W	0.1					
6 „	.918	.289	75.7	69.0	6.7	65.5	.72	76.3	78.6	„	0.1		Pos.	2.0		Above 10m.
7 „	.940	.487	74.4	63.0	11.4	55.6	.54	75.2	78.4	„	0.1		Pos.	2.0		Above 10m.
8 „	.972	.434	78.0	67.0	11.0	60.8	.57	78.3	78.4	N	0.1		Pos.	2.0		Above 10m.
9 „	.983	.597	81.7	63.5	18.2	51.0	.36	81.0	78.7	„	0.3		Pos.	2.0		Above 10m.
10 „	.985	.559	86.2	66.4	19.8	53.9	.35	84.3	79.3	NNE	0.1		Pos.	3.0		Above 10m.
11 „	.963	.415	86.1	70.0	16.1	61.4	.45	84.3	79.6	N	0.2	None.	Pos.	2.0	None.	Above 10m.
Noon.	.926	.194	86.1	75.0	11.1	70.2	.60	84.7	79.8	„	0.5		Pos.	1.0		2.00
1 p. m.	.897	.130	87.2	76.2	11.0	71.6	.61	86.2	80.2	NNW	0.5		Pos.	1.0		Above 10m.
2 „	.877	.128	86.3	75.5	10.8	70.9	.61	85.4	80.4	„	0.6		Pos.	3.0		Above 10m.
3 „	.853	.131	87.0	74.4	12.6	69.8	.56	86.0	80.5	„	0.8		Pos.	2.0		Above 10m.
4 „	.850	.167	85.4	73.5	11.9	68.1	.57	84.2	80.6	„	0.7		Pos.	2.0		Above 10m.
5 „	.856	.140	84.2	74.0	10.2	69.5	.62	84.3	80.7	„	0.8		Pos.	2.0		Above 10m.
6 „	.865	.163	82.0	73.0	9.0	68.9	.66	82.2	80.6	„	1.2		Pos.	1.0		Above 10m.
7 „	.881	.269	80.4	70.0	10.4	64.7	.60	80.3	80.5	N b W	1.3		Pos.	1.0		Above 10m.
8 „	.909	.258	80.0	71.0	9.0	66.6	.65	80.0	80.3	„	0.2					
9 „	.925	.479	77.7	64.0	13.7	55.2	.48	78.2	79.8	N	0.1					
10 „	.928	.442	76.9	65.0	11.9	57.8	.54	77.0	79.5	N b E	0.0					
11 „	.923	.196	78.7	72.7	6.0	70.0	.76	78.4	79.5	„	0.3		Pos.	9.0		1.00
Feb. 23rd-Midnight	.915	.227	78.6	71.6	7.0	68.3	.72	78.4	79.5	N b E	0.4		Pos.	1.0		0.30
1 a. m.	.901	.223	78.2	71.2	7.0	67.8	.72	78.2	79.3	N	0.3		Pos.	1.0		Above 10m.
2 „	.887	.210	77.6	71.0	6.6	67.8	.73	77.4	79.2	„	0.1					
3 „	.870	.194	77.1	70.8	6.3	67.8	.74	77.4	79.0	N b E	0.3					
4 „	.868	.288	76.6	67.8	8.8	63.1	.65	76.4	79.0	„	0.3					
5 „	.878	.360	74.0	65.0	9.0	59.7	.67	74.2	78.7	NNE	0.0					
6 „	.905	.414	73.6	64.0	9.6	58.1	.60	74.0	78.6	„	0.1					
7 „	.924	.296	75.8	69.0	6.8	65.5	.72	76.2	78.3	„	0.0					
8 „	.951	.382	78.2	68.0	10.2	62.4	.60	78.3	78.4	„	0.1					
9 „	.973	.445	80.1	67.4	12.7	60.3	.52	79.4	78.5	NE b N	0.8					
10 „	.966	.379	82.5	70.0	12.5	63.4	.54	82.0	78.9	NNE	1.0					
11 „	.955	.354	84.8	71.1	13.7	64.2	.52	83.7	79.4	„	0.6	None.		Not observed from 2 A. M.		
Noon.	.930	.244	83.4	72.3	11.1	68.2	.59	82.5	79.3	N	1.0				None.	
1 p. m.	.893	.185	83.1	73.5	9.6	69.2	.64	82.6	79.4	NNW	0.6					
2 „	.871	.170	83.4	73.4	10.0	68.9	.63	82.6	79.6	„	1.4					
3 „	.857	.165	82.9	73.0	9.9	68.5	.63	82.4	79.8	„	1.5					
4 „	.848	.148	82.2	73.0	9.2	68.8	.65	82.0	79.8	N b W	1.5					
5 „	.859	.150	81.4	73.0	8.4	69.2	.67	81.8	79.8	„	1.2					
6 „	.875	.142	79.2	73.0	6.2	70.2	.75	79.5	79.7	„	1.0					
7 „	.893	.184	78.0	72.0	6.0	69.2	.76	78.3	79.5	„	1.4					
8 „	.926	.248	77.5	71.0	6.5	67.8	.74	78.0	79.4	„	0.6					
9 „	.937	.255	77.2	71.0	6.2	68.0	.75	77.4	79.2	N	0.3					
10 „	.936	.239	76.8	71.3	5.5	68.7	.77	76.9	79.0	N b W	0.4					
11 „	.930	.232	76.4	71.2	5.2	68.7	.78	76.7	79.0	„	0.3					
Feb. 25th-Midnight	.908	.189	75.8	71.6	4.2	69.2	.82	76.0	78.9	N b E	0.2					
1 a. m.	.900	.180	74.4	71.2	3.2	69.7	.86	74.6	78.5	„	0.0					
2 „	.899	.260	73.6	71.2	2.4	70.1	.89	74.4	78.3	„	0.0					
3 „	.882	.139	73.6	71.6	2.0	70.7	.91	74.2	78.1	„	0.1					
4 „	.876	.166	72.8	70.4	2.4	69.3	.89	74.0	78.0	„	0.0					
5 „	.886	.299	71.4	69.0	2.4	67.8	.89	72.2	77.9	„	0.0	None.	None.	None.	None.	None.
6 „	.898	.254	71.4	68.0	3.4	66.3	.85	72.2	77.7	„	0.0					
7 „	.922	.256	72.4	69.0	3.4	67.3	.85	74.0	77.6	„	0.0					
8 „	.949	.207	75.0	72.0	3.0	70.6	.87	75.7	77.6	NNE	0.0					
9 „	.966	.178	77.5	74.0	3.5	72.5	.85	78.2	77.8	„	0.0					
10 „	.958	.168	80.2	74.8	5.4	72.6	.78	79.8	78.3	N	0.1					
11 „	.943	.147	81.0	75.2	5.8	72.8	.77	80.4	78.5	N b E	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
8	L	Overcast with dense ≀≀.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°0. Maximum Electricity was 9 by Volta No. 1. On the 22nd the Temperature of Wet Bulb Thermometer took large sweeps. At 3 A. M. it fell 4°6 in one hour; at 7 A. M. it fell 6°0 in one hour, and rose 4°0 for the next; at 9 A. M. it fell 3°5 in one hour, and from 9 A. M. to 1 P. M. it rose 12°7 in 4 hours; at 7 and 9 P. M. it fell 3°0 and 7°0 respectively in each hour; and at 11 P. M. rose 7°7 in one hour. Fresh breezes blowing in the Evening, Maximum Pressure 1.3 lbs.
8	N	Overcast with ≀≀, moving NW.	
4	N	≀≀ scattered about, moving NW. [breezes of wind.	
7	N	Densely clouded with ≀≀ and ≀, both of them moving NW; lunar-halo; fresh	
5	N	≀ scattered throughout; a partial lunar-halo.	
4	D	≀ scattered about.	
5	D	" "	
6	D	≀ scattered about; mist in hor.	
5	D	" " "	
1	L	≀ scattered about NE and E hor.; mist in hor.	
1	L	" " " "	
2	L	Light ≀ scattered about; mist around hor.	
2	L	" " " " "	
2	N	≀ scattered around hor.; mist in hor.	
2	N	" " " "	
2	N	" " " "	
2	N	" " " "	
4	D	≀ scattered about; mist in hor.	
4	D	" " " "	
3	D	" " " "	
3	D	≀ scattered about.	
5	L	" "	
4	L	" "	
4	L	" "	
3	L	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°0. On the 23rd, from 10 to 8 P. M., fresh sea breezes blowing. At 4 A. M. the Wet Bulb Thermometer fell 3°0 in one hour, and at 7 A. M. it rose 5°0 in one hour.
3	N	" "	
1	N	" "	
1	N	" "	
0	N	Clear.	
0	D	"	
0	D	"	
1	D	≀ scattered about hor.; mist in hor.	
1	D	" " " "	
3	L	" " " "	
4	L	≀ scattered about; light breezes of wind.	
6	L	≀ scattered throughout.	
6	L	" "	
6	N	≀ scattered throughout; partial solar-halo.	
8	N	" " " " "	
8	N	Overcast with ≀; solar-halo; fresh breezes of wind	
8	N	" " " " " "	
5	D	≀ scattered throughout.	
4	D	≀ scattered about; gusts of wind.	
4	D	" " "	
3	D	≀ scattered about.	
4	L	" "	
3	L	" "	
2	L	" "	
3	L	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°0. On the 24th, at 8 A. M., the Temperature of Wet Bulb Thermometer rose 3°0 in one hour.
3	N	" "	
4	N	Light ≀ scattered about; dew falling.	
3	N	" " " "	
6	N	" " " "	
4	D	" " " "	
4	D	" " " "	
8	D	≀ scattered throughout; mist in hor.	
8	D	" " " "	
6	D	≀ and a few patches of fleecy clouds scattered about.	
6	L	" " " " " " [out.	
6	L	Fragments of fleecy clouds about hor. from NW to E, and ≀ scattered through-	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									Lbs.	in.		Sc. div.	Sc. div.	
Feb. 25th—Noon.	29.921	29.116	82°0	75°5	6°5	72°8	0.75	81°2	78°7	NW	0.3					
1 p. m.	.885	.070	82.8	76.2	6.6	73.5	.75	82.0	79.0	NW b W	0.1					
2 „	.859	.028	84.2	77.0	7.2	74.1	.73	83.2	79.3	„	0.2					
3 „	.834	.036	83.6	76.0	7.6	72.9	.71	82.8	79.4	WNW	0.3					
4 „	.835	.069	83.0	75.0	8.0	71.6	.70	82.2	79.5	„	0.4					
5 „	.845	.100	80.8	73.8	7.0	70.7	.73	80.4	79.3	NW	0.3	None.	None.	None.	None.	None.
6 „	.858	.118	78.5	73.0	5.5	70.5	.78	78.3	79.2	NW b N	0.1					
7 „	.882	.162	77.0	72.0	5.0	69.7	.79	77.2	79.0	„	0.6					
8 „	.907	.176	76.0	72.0	4.0	70.2	.83	76.3	78.9	„	0.1					
9 „	.918	.183	75.6	72.0	3.6	70.3	.85	76.0	78.8	„	0.1					
10 „	.917	.178	75.3	72.0	3.3	70.5	.86	75.8	78.6	„	0.0					
11 „	.906	.164	75.0	72.0	3.0	70.6	.87	75.4	78.5	„	0.0					
Feb. 26th—Midnight	.943	.258	75.0	70.4	4.6	68.1	.80	75.0	77.8	N	0.3					
1 a. m.	.942	.227	74.2	71.0	3.2	69.5	.86	74.2	77.6	„	0.2					
2 „	.916	.201	74.2	71.0	3.2	69.5	.86	74.2	77.6	„	0.2					
3 „	.908	.203	73.2	70.4	2.8	69.0	.88	73.8	77.3	„	0.2					
4 „	.912	.213	72.7	70.1	2.6	68.8	.88	73.6	77.1	„	0.1					
5 „	.915	.247	72.2	69.0	3.2	67.8	.86	72.7	77.0	„	0.0					
6 „	.928	.258	72.0	69.0	3.0	67.5	.87	72.5	76.9	„	0.0					
7 „	.962	.292	72.0	69.0	3.0	67.5	.87	72.7	76.8	„	0.0					
8 „	.972	.283	73.4	70.0	3.4	68.3	.85	74.2	76.9	„	0.1					
9 „	.980	.273	76.2	71.4	4.8	69.1	.80	76.6	77.1	„	0.3					
10 „	.972	.318	78.6	70.6	8.0	66.7	.68	78.2	77.5	„	0.2					
11 „	.950	.257	80.5	72.3	8.2	68.5	.68	80.0	77.8	NW	0.3	None.	None.	None.	None.	None.
Noon.	.920	.209	81.2	73.0	8.2	69.3	.68	80.5	78.0	„	0.6					
1 p. m.	.889	.208	81.2	72.2	9.0	68.0	.66	80.6	78.2	„	0.5					
2 „	.863	.196	81.5	71.9	9.6	67.3	.64	81.0	78.3	WNW	0.9					
3 „	.848	.170	80.8	72.0	8.8	67.8	.66	80.8	78.3	„	1.0					
4 „	.842	.206	81.4	71.0	10.4	65.9	.61	80.4	78.5	„	1.0					
5 „	.837	.192	80.5	71.0	9.5	66.3	.64	80.0	78.4	„	0.4					
6 „	.847	.205	77.6	70.0	7.6	66.2	.69	78.2	78.2	„	0.7					
7 „	.882	.247	77.0	69.0	8.0	64.9	.68	77.4	78.2	„	1.0					
8 „	.898	.283	77.0	69.0	8.0	64.9	.68	77.2	78.1	„	0.7					
9 „	.904	.310	76.8	68.3	8.5	63.8	.66	77.0	78.0	„	0.6					
10 „	.903	.288	76.1	68.7	7.4	64.9	.70	76.2	78.0	„	0.3					
11 „	.889	.268	75.5	68.7	6.8	65.2	.72	75.8	77.9	„	0.3					
Feb. 27th—Midnight	29.884	.226	75.9	69.9	6.0	66.9	.75	76.2	77.7	NNW	0.6					
1 a. m.	.868	.149	76.4	71.8	4.6	69.7	.81	76.4	77.6	NW b N	0.5					
2 „	.848	.122	75.8	71.8	4.0	69.9	.83	76.0	77.5	„	0.7					
3 „	.842	.126	75.4	71.4	4.0	69.5	.83	75.8	77.5	NNW	0.5					
4 „	.838	.134	75.2	71.0	4.2	69.0	.82	75.4	77.5	„	0.1					
5 „	.850	.213	72.0	68.0	4.0	65.9	.82	72.3	77.2	„	0.1					
6 „	.860	.216	71.4	68.0	3.4	66.3	.85	72.0	77.0	„	0.1					
7 „	.893	.256	72.0	68.0	4.0	65.9	.82	73.2	76.8	„	0.1					
8 „	.914	.270	74.4	69.0	5.4	66.3	.77	75.3	77.0	„	0.1					
9 „	.935	.338	78.1	68.8	9.3	64.0	.63	77.8	77.2	„	0.4					
10 „	.929	.476	79.8	65.0	14.8	55.7	.46	79.4	77.4	„	0.3					
11 „	.904	.440	81.4	65.9	15.5	56.4	.44	80.4	77.8	„	0.2	None.	Pos.	2.0	None.	Above 10m.
Noon.	.875	.408	82.3	66.3	16.0	56.6	.43	81.8	77.9	NW	0.5		Pos.	2.0		Above 10m.
1 p. m.	.846	.315	81.6	68.0	13.6	60.4	.51	81.0	78.1	NW b N	0.5		Pos.	1.0		Above 10m.
2 „	.829	.232	83.2	70.5	12.7	64.0	.54	82.6	78.3	NNW	0.3		Pos.	1.0		Above 10m.
3 „	.817	.250	82.6	69.4	13.2	62.4	.52	82.0	78.5	„	0.8		Pos.	2.0		Above 10m.
4 „	.819	.250	81.2	69.0	12.2	62.5	.55	80.6	78.5	„	0.6		Pos.	1.0		Above 10m.
5 „	.816	.278	81.0	68.0	13.0	60.8	.52	80.0	78.4	„	0.1					
6 „	.828	.268	79.0	68.0	11.0	62.0	.58	78.4	78.3	„	0.3					
7 „	.841	.305	78.2	67.0	11.2	60.7	.56	78.0	78.2	„	0.1					
8 „	.863	.285	77.4	68.0	9.4	63.0	.62	77.4	78.0	„	0.0					
9 „	.867	.255	77.0	68.9	8.1	64.7	.67	77.0	78.0	„	0.0					
10 „	.878	.247	76.8	69.4	7.4	65.6	.70	76.9	78.0	„	0.1					
11 „	.867	.234	76.3	69.3	7.0	65.7	.71	76.6	77.9	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀, nimbi.	
7	L	Densely clouded with ≀.	
6	N	≀ scattered throughout.	
7	N	" "	
7	N	" "	
7	N	" "	
7	N	" "	
4	D	≀ scattered about.	
5	D	" "	
4	D	" "	
3	D	≀ scattered here and there; dew falling.	
3	D	≀ and a few fragments of fleecy clouds scattered around hor.	
5	D	Fleecy clouds and ≀ scattered throughout; dew falling.	
8	L	Overcast with ≀.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°4 and 82°0.
8	N	Overcast; lunar-halo observed at 1h. 30m.	
8	N'	Overcast; a partial lunar-halo.	
8	N	Densely clouded with dense ≀.	
8	N	" " "	
6	D	" " " ; lunar-halo.	
5	D	≀ scattered throughout.	
6	D	Densely clouded with ≀.	
7	D	" " "	
7	L	" " "	
7	L	" " "	
7	L	" " "	
8	L	" " "	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	N	" " "	
6	D	≀ and a few fragments of ≀≀ scattered about.	
7	D	Densely clouded with ≀.	
6	D	" " "	
5	D	≀ scattered about.	
2	L	≀ scattered about hor.	
2	L	" "	
2	L	≀ scattered here and there.	
2	L	≀ scattered around hor., except in NW and W.	
2	N	≀ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0.
2	N	Dense ≀ scattered about, moving NE.	
8	N	Densely clouded with ≀, moving NE; lunar-halo.	
8	N	Overcast with dense ≀.	
6	D	" " "	
4	D	≀ scattered about, whose motion was not apparent.	
6	D	≀ scattered throughout, mist in hor.	
7	D	" " " "	
7	L	≀ scattered throughout; fog from N to SE hor.	
7	L	" " " " "	
7	L	" " " " "	
7	L	Densely clouded with ≀; a few lumps of ≀≀ in E.	
8	N	Overcast with dense ≀.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
6	D	≀ scattered throughout.	
5	D	" "	
4	D	" "	
5	D	" "	
1	L	≀ scattered in NW and N.	
2	L	≀ scattered about hor. from SE to NW round by W.	
1	L	" " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Feb. 28th-Midnight	29.855	29.213	75°8	69°4	6°4	66°2	0.73	76°0	77°8	NNW	0.4					
1 a. m.	.852	.193	75.4	69.8	5.6	67.0	.76	75.8	77.6	,,	0.1					
2 ,,	.844	.220	74.7	68.5	6.2	65.3	.74	75.2	77.5	Calm.	0.0					
3 ,,	.844	.187	73.2	69.0	4.2	66.9	.82	73.8	77.2	,,	0.0					
4 ,,	.846	.178	72.2	69.0	3.2	67.4	.86	73.2	77.0	,,	0.0					
5 ,,	.858	.212	71.2	68.0	3.2	66.4	.86	72.4	76.9	,,	0.0					
6 ,,	.876	.286	70·4	66.0	4.4	63.6	.80	71.3	76.8	,,	0.0					
7 ,,	.899	.318	71.2	66.0	5.2	63.1	.77	72.2	76.5	,,	0.0					
8 ,,	.923	.352	75.0	67.0	8.0	62.6	.67	75.2	76.7	,,	0.0					
9 ,,	.949	.346	77.5	68.8	8.7	64.3	.65	77.2	77.9	N b E	0.1					
10 ,,	.951	.307	78.8	70.4	8.4	66.3	.67	78 4	77.2	NE b N	0.1					
11 ,,	.943	.283	80.2	71.3	8.9	67.0	.66	79.4	77 5	NE	0.1	None.	None.	None.	None.	None.
Noon.	.908	.256	81.5	71.5	10.0	66.6	.62	80.4	77.7	W b N	0.0					
1 p. m.	.881	.202	82.0	72.4	9.6	67.9	.64	81.4	77.9	W	0.1					
2 ,,	.868	.221	83.6	72.0	11.6	66.4	.58	82.4	78.1	W b N	0.2					
3 ,,	.857	.228	84.0	71.6	12.4	65.5	.55	82.4	78.4	NW b W	0.2					
4 ,,	.857	.265	84.0	70.6	13.4	63.7	.52	83.2	78.6	,,	0.2					
5 ,,	.864	.317	87.5	70.4	17.1	61.3	.43	87.9	79.4	,,	0.3					
6 ,,	.876	.260	80.0	70.0	10.0	64.9	.62	79.7	78.8	,,	0.1					
7 ,,	.894	.281	78.4	69.4	9.0	64.8	.65	78.6	78.5	,,	0.2					
8 ,,	.921	.308	77.8	69.3	8.6	64.8	.66	78.0	78.5	,,	0.1					
9 ,,	.932	.319	77.2	69.0	8.2	64.8	.67	77.4	78.4	,,	0.1					
10 ,,	.940	.299	75.5	69.2	6.3	66.1	.74	76.0	78.1	,,	0.0					
11 ,,	.934	.266	74.6	69.8	4.8	67.4	.79	74.9	78.0	,,	0.0					
Feb. 29th-Midnight	.932	.325	73.2	67.5	5.7	64.5	.75	74.2	77.6	NW	0.0					
1 a. m.	.920	.311	72.8	67.4	5.4	64.6	.77	74.0	77.4	,,	0.0					
2 ,,	.906	.271	72.2	68.0	4.2	65.8	.81	73.4	77.2	,,	0.0					
3 ,,	.899	.211	72.8	69.8	3.0	68.3	.87	73.8	77.0	NW b N	0.1					
4 ,,	.897	.223	71.6	69.0	2.6	67.7	.88	72.2	76.9	NNW	0.1					
5 ,,	.911	.265	71.2	68.0	3.2	66.4	.86	72.0	76.8	N b W	0.1					
6 ,,	.924	.273	70.7	68.0	2.7	66.6	.88	71.4	76.7	,,	0.0					
7 ,,	.954	.310	71.4	68.0	3.4	66.3	.85	72.3	76.5	,,	0.0					
8 ,,	.975	.371	75.0	68.0	7.0	64.3	.71	75.2	76.6	,,	0.0					
9 ,,	.986	.406	77.5	68.1	9.4	63.1	.63	77.4	76.8	N	0.2					
10 ,,	.978	.322	80.6	71.3	9.3	66.8	.64	79.7	77.4	NW b N	0.2					
11 ,,	.958	.285	81.3	72.0	9.3	67.6	.65	80.2	77.7	,,	0.4					
Noon.	.930	.212	81.6	73.3	8.3	69.6	.68	81.0	77.8	NW	0.4	None.	None.	None.	None.	None.
1 p. m.	.891	.156	82.4	74.0	8.4	70.3	.68	82.0	78.0	NW b N	0.4					
2 ,,	.867	.168	83.6	73.4	10.2	68.8	.63	82.4	78.4	,,	0.8					
3 ,,	.853	.143	83.7	73.7	10.0	69.3	.63	83.0	78.5	,,	0.6					
4 ,,	.847	.186	84.0	72.5	11.5	67.1	.58	83.2	78.8	,,	0.7					
5 ,,	.855	.203	83.2	72.0	11.2	66.6	.59	83.5	78.6	NNW	0.5					
6 ,,	.861	.245	80.0	70.0	10.0	64.9	.62	80.3	78.5	,,	0.2					
7 ,,	.887	.253	78.4	70.0	8.4	65.8	.66	78.5	78.5	,,	0.3					
8 ,,	.900	.231	78.4	71.0	7.4	67.4	.70	79.0	78.5	,,	0.1					
9 ,,	.912	.234	78.6	71.3	7.3	67.8	.71	78.9	78.6	,,	0.4					
10 ,,	.915	.252	78.0	70.7	7.3	67.2	.71	78.2	78.5	N b W	0.3					
11 ,,	.906	.191	77.0	69.0	8.0	64.9	.68	77.2	78.4	,,	0.2					
Mar. 1st-Midnight	.892	.309	75.7	67.6	8.1	63.2	.67	76.2	78.2	N	0.2					
1 a m.	.888	.310	75.3	67.3	8.0	63.0	.67	75.9	78.0	,,	0.2					
2 ,,	.876	.118	77.0	73.0	4.0	71.2	.83	77.2	78.0	NNW	1.4					
3 ,,	.866	.109	77.0	73.0	4.0	71.2	.83	77.2	78.0	,,	1.0					
4 ,,	.884	.155	76.2	72.0	4.2	70.1	.82	76.2	78.0	N	0.2					
5 ,,	.907	.190	74.0	71.0	3.0	69.6	.87	75.2	77.8	,,	0.1					
6 ,,	.923	.241	74.0	70.0	4.0	68.0	.83	74.9	77.6	,,	0.1	None.	None.	None.	None.	None.
7 ,,	.931	.316	74 0	68.0	6.0	64.9	.74	75.2	77.5	N b E	0.0					
8 ,,	.961	.318	77 5	70.0	7.5	66.2	.70	78.3	77.6	,,	0.0					
9 ,,	.978	.364	80.2	70.0	10.2	64.8	.61	79.6	78.0	SE b E	0.0					
10 ,,	.977	.414	82.7	69.3	13.4	62.2	.52	81.8	78.4	NNE	0.0					
11 ,,	.960	.327	83.6	71.6	12.0	65.7	.56	82.2	78.5	NW b N	0.4					

Amount of Clouds 0 – 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒⌒ cirro-strati; ⌒⌒ cumulo-strati; and ⌒⌒ nimbi.	
0	L	A few ≤ in NW, W, and SW above hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0.
0	N	A few ≤ in W; hazy.	
3	N	≤ scattered about.	
3	N	≤ scattered about, moving E.	
5	N	" " "	On the 28th, at 5 P. M., the Temperature of the Air and Ground Thermometers were affected by the Sun.
3	D	" " "	
4	D	" " "	
5	D	≤ scattered about; mist from SW to N hor.; and fog in NE, E, and SE hor.	
5	D	" " " " " " " "	
5	L	≤ scattered about; fog in hor. from N to S; and mist in remainder of hor.	
6	L	≤ scattered about; mist in hor.	
5	L	" " " "	
6	L	Dense ≤ scattered throughout, except in W; light mist in N hor.	
5	N	≤ scattered about, moving E.	
1	N	≤ scattered along E. hor.	
3	N	≤ scattered around hor., except in N.	
3	N	" " " "	
2	L	≤ scattered from E to SW hor.	
2	L	" " "	
1	L	" " "	
0	L	A few ≤ in SE above hor.	
0	L	Clear.	
0	L	"	
0	L	Clear; dew falling.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0.
0	N	"	
0	N	"	
3	N	≤ scattered about, moving E.	On the 29th, at 10 A. M., the Temperature of Wet Bulb Thermometer rose 3°2 in one hour. Light breezes blowing in the afternoon.
2	N	" " "	
2	D	" " "	
3	D	" " "	
1	D	≤ scattered around hor.; mist in hor.	
2	D	≤ scattered about hor.	
1	L	≤ scattered in hor. from E to W, and fog from N to SE hor.	
1	L	Light ≤ here and there; fog along E hor.	
3	L	≤ scattered about.	
1	L	≤ scattered from NE to SE hor.	
2	N	≤ scattered about hor.	
2	N	" "	
1	N	" "	
5	N	≤ scattered about, moving E.	
4	D	" " "	
3	D	≤ scattered about, its motion not being apparent.	
2	D	≤ scattered about.	
2	D	" "	
1	L	≤ scattered about hor. from SW to NW.	
1	L	≤ scattered about hor. from SE to W.	
0	L	A few ≤ in SE above hor.	
1	L	≤ scattered from E to S hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0.
2	L	≤ scattered around hor., except in N and NW.	
3	N	≤ scattered about; fresh breezes of wind.	
3	N	" " " " "	On the 1st, at 2 A. M., the Temperature of Wet Bulb Thermometer rose 5°7 in one hour; at 7 A. M. it fell 2°0 in one hour, and rose as much for the next; at noon again it rose 3°2 in one hour. Fresh breezes blowing in the Morning, Maximum Pressure 1.4 lb. The lowest Reading of Wet Bulb
0	N	Clear, except in hor.	
3	D	" " "	
3	D	≤ scattered about.	
4	D	≤ scattered about; mist from SW to NW; and fog in hor. from N to SE.	
4	D	" " " " " " " "	
4	L	" " " " " " " "	
5	L	" " " " " " " "	
5	L	" " " " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 1st—Noon.	29.935	29.189	84°2	74°8	9°4	70°8	0.65	83°0	78°8	NNW	0.6					
1 p. m.	.911	.095	84.8	76.8	8.0	73.6	.70	83.4	79.0	NW	0.3					
2 „	.888	.046	85.7	77.7	8.0	74.6	.70	84.4	79.4	NNW	0.2					
3 „	.869	.026	85.2	77.6	7.6	74.6	.72	84.1	79.5	„	0.2					
4 „	.870	.047	84.2	76.8	7.4	73.8	.72	84.0	79.8	NW	0.2					
5 „	.876	.086	85.8	76.4	9.4	72.6	.66	84.2	80.5	„	0.3	None.	None.	None.	None.	None.
6 „	.892	.095	80.2	75.0	5.2	72.9	.79	84.4	79.8	„	0.4					
7 „	.922	.145	79.2	74.2	5.0	72.0	.80	80.0	79.7	„	0.1					
8 „	.941	.212	78.2	72.6	5.6	70.1	.77	79.0	79.5	NNW	0.1					
9 „	.955	.278	77.6	71.0	6.6	67.8	.73	78.4	79.3	N b W	0.1					
10 „	.960	.295	77.0	70.2	6.8	67.2	.72	78.0	79.0	„	0.0					
11 „	.952	.296	78.2	70.6	7.6	66.8	.70	78.8	79.0	NNW	0.1					
Mar. 3rd—Midnight	.928	.218	76.6	71.6	5.0	69.3	.79	77.6	79.0	NNW	0.2		Pos.	1.0		Above 10m.
1 a. m.	.916	.149	77.8	73.5	4.3	71.6	.82	78.0	79.0	„	0.2					
2 „	.901	.146	77.2	73.0	4.2	71.2	.82	77.6	79.0	„	0.0					
3 „	.898	.136	76.5	73.0	3.5	71.4	.85	77.1	78.7	„	0.0					
4 „	.914	.185	76.2	72.0	4.2	70.1	.82	76.7	78.6	„	0.0					
5 „	.916	.185	76.0	72.0	4.0	70.2	.83	76.5	78.4	„	0.1					
6 „	.929	.198	76.0	72.0	4.0	70.2	.83	76.5	78.3	„	0.0					
7 „	.957	.322	75.2	69.0	6.2	65.8	.74	76.2	78.2	„	0.0					
8 „	.982	.340	77.6	70.0	7.6	66.2	.69	78.3	78.4	„	0.0					
9 „	30.005	.286	81.5	73.3	8.2	69.7	.69	82.0	78.8	ESE	0.1					
10 „	.013	.212	82.6	75.8	6.8	73.0	.74	82.3	79.0	S	0.1					
11 „	29.992	.243	84.5	75.0	9.5	70.9	.65	84.2	79.4	SW b S	0.1	None.				
Noon.	.960	.177	85.0	76.0	9.0	72.3	.67	84.0	79.6	W	0.1				None.	
1 p. m.	.937	.123	85.0	76.8	8.2	73.5	.69	84.8	80.0	W b S	0.1					
2 „	.899	.107	86.7	76.7	10.0	72.7	.64	85.2	80.3	„	0.1					
3 „	.883	.119	86.0	75.8	10.2	71.5	.63	85.0	80.4	„	0.0					
4 „	.878	.107	85.3	75.8	9.5	71.8	.65	84.6	80.5	„	0.0					
5 „	.881	.056	84.2	77.0	7.2	74.1	.73	84.2	80.6	WNW	0.0					
6 „	.902	.079	81.4	76.0	5.4	73.8	.78	82.0	80.4	NW	0.0					
7 „	.917	.190	79.7	73.0	6.7	70.0	.73	80.2	80.3	„	0.0					
8 „	.945	.212	79.2	73.0	6.2	70.2	.75	79.6	80.1	NNW	0.0					
9 „	.960	.206	78.6	73.4	5.2	71.1	.79	79.4	80.0	„	0.0					
10 „	.959	.190	78.0	73.6	4.4	71.7	.82	78.4	79.8	„	0.0					
11 „	.951	.194	77.0	73.0	4.0	71.2	.83	78.1	79.5	„	0.0					
Mar. 4th—Midnight	.931	.250	76.0	70.6	5.4	68.0	.77	77.2	79.4	NNW	0.0					
1 a. m.	.922	.168	76.6	72.8	3.8	71.1	.84	77.4	79.4	N b W	0.0					
2 „	.909	.149	77.4	73.2	4.2	71.4	.82	78.0	79.4	„	0.1					
3 „	.901	.176	76.5	72.0	4.5	69.9	.81	76.3	79.2	NNW	0.0					
4 „	.902	.173	76.2	72.0	4.2	70.1	.82	76.2	79.1	„	0.0					
5 „	.912	.179	75.8	72.0	3.8	70.2	.84	76.0	79.0	„	0.0					
6 „	.921	.181	75.2	72.0	3.2	70.5	.86	75.5	78.9	ENE	0.0					
7 „	.949	.226	76.7	72.0	4.7	69.8	.80	77.2	78.8	SE b E	0.0					
8 „	.976	.177	80.0	75.0	5.0	73.0	.80	79.8	78 9	„	0.0					
9 „	.986	.218	82.2	74.8	7.4	71.7	.71	81.8	79.2	„	0.0					
10 „	.983	.291	83.6	73.2	10.4	68.5	.62	82.8	79.5	„	0.0					
11 „	.980	.216	84.6	75.4	9.2	71.5	.66	84.2	79.8	SSW	0.0	None.	None.	None.	None.	None.
Noon.	.957	.122	86.0	77.6	8.4	74.3	.69	85.6	80.2	W	0.1					
1 p. m.	.920	.111	86.2	77.0	9.2	73.3	.67	85.0	80.4	W b N	0.1					
2 „	.908	.142	86.5	76.0	10.5	71.6	.62	85.2	80.6	WNW	0.3					
3 „	.903	.086	85.8	77.1	8.7	73.6	.68	84.5	80.7	W b N	0.5					
4 „	.897	.061	83.7	77.0	6.7	74.3	.74	83.2	80.6	WNW	0.1					
5 „	.900	.056	83.0	77.0	6.0	74.5	.77	83.2	80.5	W b S	0.1					
6 „	.915	.049	81.0	77.0	4.0	75.4	.84	81.2	80.4	W	0.1					
7 „	.942	.102	79.8	76.0	3.8	74.5	.84	80.0	80.3	„	0.1					
8 „	.963	.120	79.5	76.0	3.5	74.6	.86	79.8	80 2	„	0.1					
9 „	.974	.190	79.4	77.0	2.4	76.1	.90	79.8	80.2	„	0.0					
10 „	.974	.188	79 2	77.0	2.2	76.1	.91	79.8	80.2	SW b S	0.0					
11 „	.961	.077	78.6	76.8	1.8	76.1	.92	79.4	80.1	SS V	0.0					

Amount of Clouds 0—6.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
6	L	≤ scattered throughout; mist in hor.	Thermometer during this month was 67°3 at 1 A. M. At 8 A. M. the Temperature of Dew-Point was 62°2, being the lowest in the month.
4	N	" " " "	
3	N	A few lumps of fleecy clouds in E hor.; ≤ scattered about hor., except in SE and S.	
3	N	" " " " " " " " "	
2	N	≤ scattered about hor.	
1	N	" "	
1	N	≤ scattered about W hor.	
1	N	" " "	
1	N	" " "	
0	N	Clear.	
0	N	"	
0	N	"	
4	L	≤ scattered about, except in zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0. On the 3rd Wind blew in a circular motion. At 7 A. M. the Wet Bulb Thermometer fell 3°0 in one hour; and at 9 A. M. it rose 3°3 in one hour; at 7 P. M. again it fell 3°0 in one hour. At 10 A. M. Barometer Reading was 30.013 inches, the highest in the month.
4	L	" " " "	
5	D	Fleecy clouds scattered about.	
3	D	" " " "	
4	D	" " " "	
2	D	" " " "	
4	D	Fleecy clouds and ≤ scattered about. [hor. from N to SE hor.	
8	D	Densely clouded with ≤, and fleecy clouds; mist from SW to NW; and fog in	
8	D	Densely clouded as on the last hour.	
8	N	Overcast with ≤, and fleecy clouds; mist in hor.	
8	N	" " " " "	
5	N	Fleecy clouds and ≤ scattered about; mist in hor.	
5	N	" " " " "	
6	L	" " " " "	
5	L	" " " " "	
6	L	≤ scattered throughout; mist in hor.	
6	L	" " " "	
4	D	" " " "	
8	D	Overcast with dense ≤.	
6	D	≤ scattered about.	
4	D	" "	
7	N	Densely clouded with ≤; a few stars dimly visible.	
8	N	" " " " " "	
8	N	" " " " " "	
8	N	Overcast with ≤ and fleecy clouds, the latter moving SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°0. On the 4th Circular wind blowing. From 9 P. M. till midnight Lightning flashing in the NE, but the Electrometer was not affected. At 8 A. M. the Wet Bulb Thermometer rose 3°0 in one hour. The Range of Barometer was 0.089 inches, the lowest in the month.
4	N	" " " " " "	
6	N	≤ scattered about.	
5	D	" "	
8	D	Overcast with ≤	
8	D	" "	
8	D	" "	
8	D	Overcast with ≤ and patches of fleecy clouds.	
8	D	" " " " "	
8	N	" " " " "	
8	N	Fleecy clouds around hor., moving N; and ≤ scattered throughout.	
8	N	" " " " " " "	
8	N	" " " " " " "	
7	L	" " " " " " "	
7	L	" " " " " " "	
8	L	" " " " " " "	
8	L	Fragments of fleecy clouds about NW, SE, and S hor.; ≤ scattered throughout.	
8	D	Overcast with ≤ and fleecy clouds.	
8	D	" " " "	
6	D	≤ scattered throughout, moving W.	
7	D	≤ scattered about, moving W.	
6	N	≤ scattered throughout; dew falling; lightning in NE every 20s.	
7	N	≤ scattered throughout; lightning in NE every 5m.	
7	N	" " " " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 5th-Midnight	29.955	29.080	78°4	76°5	1°9	75°8	0.92	79°2	80°0	SSW	0.0					
1 a. m.	.937	.085	77.3	75.6	1.7	74.9	.93	78.2	79.9	„	0.0					
2 „	.930	.039	78.0	76.8	1.2	76.3	.95	78.7	79.9	W	0.3					
3 „	.927	.097	77.2	75.0	2.2	74.1	.91	77.2	79.7	NW b W	0.3					
4 „	.917	.077	76.3	75.0	1.3	74.5	.94	77.0	79.5	N b W	0.1					
5 „	.923	.118	76.0	74.0	2.0	73.2	.91	76.8	79.4	NNE	0.1					
6 „	.932	.125	75.8	74.0	1.8	73.2	.92	77.0	79.3	NE b E	0.0					
7 „	.948	.108	76.3	75.0	1.3	74.5	.94	77.4	79.2	E b N	0.0					
8 „	.974	.128	79.3	76.0	3.3	74.7	.86	80.2	79.4	ESE	0.0					
9 „	.988	.150	81.4	76.4	5.0	74.4	.80	82.0	79.7	SE b E	0.1					
10 „	.985	.153	82.3	76.5	5.8	74.2	.77	82.2	79.9	„	0.0					
11 „	.969	.164	83.0	76.0	7.0	73.2	.73	82.4	80.0	SSW	0.1	None.			None.	
Noon.	.931	.017	84.8	79.2	5.6	77.1	.79	84.4	80.4	WSW	0.1					
1 p. m.	.897	.010	85.8	78.8	7.0	76.2	.74	85.0	80.6	„	0.3					
2 „	.870	.088	86.1	76.3	9.8	72.2	.65	85.2	80.9	W	0.2					
3 „	.855	.069	85.1	76.1	9.0	72.4	.67	84.5	80.9	„	0.3					
4 „	.846	.009	84.4	77.2	7.2	74.4	.73	85.4	80.9	„	0.3					
5 „	.847	.005	84.3	77.3	7.0	74.6	.74	83.3	81.0	„	0.3					
6 „	.862	.012	80.7	76.5	4.2	74.8	.83	81.2	80.6	NW	0.2					
7 „	.878	.038	79.8	76.0	3.8	74.5	.85	80.2	80.5	Calm.	0.0					
8 „	.895	.065	78.7	75.4	3.2	74.1	.87	79.2	80.4	„	0.0		Pos.	1.0		Above 10m.
9 „	.901	.082	78.2	75.0	3.2	73.7	.87	78.7	80.3	„	0.0					
10 „	.903	.113	77.4	74.0	3.4	72.6	.86	78.2	80.1	„	0.0					
11 „	.898	.101	76.7	74.0	2.7	72.9	.89	77.5	79.9	„	0.0					
Mar. 6th-Midnight	.898	.035	77.7	76.0	1.7	75.3	.93	78.2	79.8	W b N	0.2					
1 a. m.	.890	.066	77.7	75.0	2.7	73.9	.89	78.2	79.7	NW	0.1					
2 „	.873	.077	76.8	74.0	2.8	72.8	.88	77.8	79.6	Calm.	0.0					
3 „	.868	.070	76.6	74.0	2.6	72.9	.89	77.2	79.5	„	0.0					
4 „	.865	.100	75.6	72.8	2.8	71.6	.88	76.2	79.4	„	0.0					
5 „	.857	.089	76.0	73.0	3.0	71.7	.87	76.4	79.9	„	0.0					
6 „	.868	.102	76.2	73.0	3.2	71.6	.86	76.5	79.3	„	0.0					
7 „	.911	.180	76.0	72.0	4.0	70.2	.83	76.6	79.1	„	0.0					
8 „	.928	.283	77.4	70.0	7.4	66.3	.70	77.4	79.2	„	0.0					
9 „	.949	.206	81.6	74.0	7.6	70.7	.71	81.6	79.4	NW	0.1					
10 „	.932	.220	83.8	73.8	10.0	69.3	.63	83.2	79.8	NW b N	0.1					
11 „	.920	.157	84.3	75.3	9.0	71.5	.67	83.5	80.0	NW	0.0	None.			None.	
Noon.	.886	.101	85.6	76.2	9.4	72.4	.66	84.3	80.2	W	0.1					
1 p. m.	.853	.082	86.1	76.0	10.1	71.8	.64	84.5	80.5	WSW	0.1					
2 „	.825	.056	86.3	76.0	10.3	71.7	.63	84.8	80.7	„	0.1					
3 „	.805	.025	86.0	76.2	9.8	72.2	.65	85.0	80.9	„	0.0		Pos.	2.0		Above 10m.
4 „	.797	.021	86.4	76.2	10.2	72.0	.63	85.4	81.0	NW	0.2					
5 „	.792	.097	86.0	74.0	12.0	68.6	.57	86.2	81.0	NW b N	0.1					
6 „	.810	.131	84.2	73.0	11.2	67.9	.59	85.0	80.9	„	0.1					
7 „	.823	.130	82.8	73.0	9.8	68.5	.63	83.4	80.8	NNW	0.1					
8 „	.838	.101	82.2	74.0	8.2	70.4	.68	82.8	80.7	„	0.2					
9 „	.855	.171	81.6	72.4	9.2	68.1	.65	82.0	80.7	„	0.2					
10 „	.866	.293	80.8	69.0	11.8	62.7	.56	81.0	80.6	NNE	0.1					
11 „	.873	.275	79.8	69.4	10.4	64.0	.60	80.4	80.5	N b W	0.2					
Mar. 7th-Midnight	.868	.121	80.6	73.8	6.8	70.8	.73	80.4	80.4	NNW	0.1					
1 a. m.	.861	.054	80.0	75.2	4.8	73.2	.81	80.2	80.4	NW b N	0.1					
2 „	.846	.074	79.0	74.0	5.0	71.8	.80	79.8	80.3	N b W	0.2					
3 „	.827	.053	78.5	74.0	4.5	72.0	.82	79.4	80.2	NNW.	0.2					
4 „	.835	.164	78.2	71.0	7.2	67.5	.71	78.3	80.1	N b W	0.5					
5 „	.848	.192	76.4	70.0	6.4	66.8	.73	77.5	80.0	N	0.2					
6 „	.866	.266	75.4	68.0	7.4	63.8	.69	76.5	79.9	„	0.1	None.			None.	
7 „	.887	.199	76.6	71.0	5.6	68.3	.73	77.2	79.8	ENE	0.1					
8 „	.912	.151	80.0	74.0	6.0	61.4	.76	80.4	79.7	E b S	0.1					
9 „	.929	.189	82.6	74.2	8.4	70.5	.68	82.1	79.9	„	0.1		Neg.	7.0		1.15
10 „	.932	.175	83.8	75.0	8.8	71.2	.69	83.2	80.2	„	0.0		Neg.	10.0		2.00
11 „	.911	.334	86.6	71.0	15.6	62.9	.47	86.0	80.5	„	0.1		Neg.	6.0		2.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
8	N	Densely clouded with ≀ and fleecy clouds; lightning in NE, NW, and W hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°7 and 82°0.
4	L	Dense ≀ and fleecy clouds scattered about; dew falling. [at intervals.	
6	L	" " " " " "	
4	L	" " " " " "	
3	L	" " " " " "	
6	D	≀ scattered throughout; dew falling.	On the 5th, at noon, the Wet Bulb Thermometer rose 3°2 in one hour. Wind blowing in a direct circular motion.
6	D	" " " "	
4	D	Fleecy clouds and a few ≀ scattered about.	
4	D	" " " " "	
6	N	≀≀ and ≀ scattered about, former moving W; fog in NE, E, and SE hor.	
6	N	≀ and ≀≀ scattered throughout, rather densely by the former about hor.	
5	N	Fragments of clouds from NE to S; ≀ scattered about; mist in hor.	
4	N	" " " " " " "	
6	L	≀ scattered throughout.	
7	L	≀ scattered throughout, moving E.	
8	L	≀ scattered throughout, moving SW.	
5	L	" " " "	
4	L	≀ and ≀≀ scattered about, both moving S.	
5	N	" " " " "	
6	N	" " " "	
4	N	≀ scattered about; dew falling.	
4	D	≀ scattered about.	
5	D	" "	
4	D	" "	
3	D	Light ≀ scattered about; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°8 and 82°1.
7	N	Nearly overcast with ≀; dew falling.	
7	N	" " " " "	
2	N	Densely clouded around hor. with ≀; dew deposited on the Observatory roof.	On the 6th, at 8 A. M., the Wet Bulb Thermometer fell 2°0 in one hour, and rose 4°0 for the next; at 10 P. M. again it fell 3°4 in one hour. The Morning and Evening Minima of Barometer happened a little later than usual; also the Evening Maximum of the same was later.
4	N	≀ scattered about.	
3	D	" "	
4	D	" "	
8	D	Overcast with ≀≀, ≀, and a few masses of fleecy clouds; fleecy clouds, moving	
7	D	A few patches of ≀≀ in W; ≀ scattered about. [ESE.	
4	N	≀≀ and ≀ scattered about; mist around hor.	
4	N	≀ scattered about; mist in hor.	
5	N	" " " ; a solar-halo.	
6	N	≀ scattered about.	
6	L	≀ scattered throughout, except in NW.	
6	L	" " " "	
7	L	Densely clouded with ≀; mist around hor.	
6	L	" " " " "	
5	D	≀ scattered about.	
4	D	" "	
3	D	" "	
2	D	" "	
2	N	" "	
4	N	" "	
4	N	" "	
3	N	Light ≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 82°1.
2	N	" " "	
2	N	" " "	
3	D	" " "	
4	D	" " "	
4	D	" " "	
3	D	≀ scattered about hor.	On the 7th Wind blowing abnormally. Maximum Tension of Electricity was 10 Scale divisions by Volta No. 1. From 3 to 6 A. M. the Wet Bulb Thermometer was falling, and from 6 to 8 A. M. it was rising, rapidly. At 11 A. M. it fell 4°0 in one hour, and rose 6°8 for the next.
2	D	≀ around hor.; fog in NE, E, and SE hor.	
3	D	" " " " "	
3	N	≀ scattered about; mist in hor.	
3	N	" " "	
3	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 7th—Noon.	29.885	29.064	88°0	77°8	10°2	70°8	0.64	86°4	81°0	WNW	0.3		Neg.	5.0		2.00
1 p. m.	.854	.042	87.4	77.4	10.0	73.4	.64	86.2	81.0	NW b N	0.4		Pos.	3.0		Above 10m.
2 „	.837	.008	88.0	78.0	10.0	74.1	.65	87.7	81.3	NW	0.4		Pos.	1.0		Above 10m.
3 „	.820	.028	88.1	77.1	11.0	72.7	.61	87.7	81.5	W b N	0.3					
4 „	.813	.026	88.2	77.0	11.2	72.5	.61	87.4	81.6	WNW	0.2					
5 „	.808	28.999	86.2	77.0	9.2	73.3	.66	85.2	81.8	NW b W	0.1	None.			None.	
6 „	.815	29.046	82.7	75.0	7.7	71.7	.70	84.5	81.7	„	0.1					
7 „	.839	.091	81.2	74.0	7.2	70.9	.72	81.4	81.4	SSW	0.1					
8 „	.869	.042	81.0	76.0	5.0	74.0	.80	80.5	81.2	„	0.1					
9 „	.884	.011	80.4	77.0	3.4	75.9	.86	80.6	81.0	„	0.2					
10 „	.889	28.980	80.0	77.8	2.2	76.9	.91	80.4	81.0	„	0.2					
11 „	.883	.939	80.0	78.6	1.4	78.1	.94	80.3	80.0	„	0.4					
Mar. 8th—Midnight	.893	.974	79.8	78.0	1.8	77.3	.92	80.2	80.9	SSW	0.3					
1 a. m.	.881	.966	79.4	77.8	1.6	77.2	.93	80.1	80.9	SW b S	.0.2					
2 „	.868	.980	79.0	77.0	2.0	76.2	.92	79.8	80.8	„	0.1					
3 „	.852	.951	77.8	77.0	0.8	76.7	.97	79.7	80.7	SSW	0.1					
4 „	.858	.987	77.0	76.0	1.0	75.6	.96	79.5	80.6	S b W	0.1					
5 „	.871	29.140	76.4	72.0	4.0	70.2	.83	77.4	80.4	SE b S	0.1					
6 „	.886	.182	75.2	71.0	4.2	69.0	.83	76.5	80.3	SE b E	0.1					
7 „	.913	.186	76.4	72.0	4.4	70.0	.81	77.2	80.0	„	0.1					
8 „	.942	.136	79.4	75.0	4.4	73.2	.82	80.3	80.1	„	0.1					
9 „	.949	.101	82.6	77.0	5.6	74.8	.78	82.3	80.3	„	0.1					
10 „	.944	.102	83.2	77.0	6.2	74.6	.76	82.3	80.5	„	0.0					
11 „	.920	.044	83.7	78.0	5.7	75.8	.78	83.2	80.7	SW b S	0.1	None.	None.	None.	None.	None.
Noon.	.889	28.992	85.6	79.0	6.6	76.5	.75	84.4	81.0	W b S	0.1					
1 p. m.	.855	.947	86.6	79.5	7.1	76.9	.74	85.2	81.3	„	0.2					
2 „	.824	.927	87.6	79.5	8.1	76.5	.71	86.2	81.4	W b N	0.2					
3 „	.798	.916	87.0	79.0	8.0	76.0	.71	85.8	81.5	„	0.3					
4 „	.791	.893	87.0	79.4	7.6	76.6	.74	86.0	81.7	WNW	0.1					
5 „	.790	.912	85.5	78.5	7.0	75.9	.74	86.0	81.8	„	0.1					
6 „	.805	.947	82.1	77.1	5.0	75.1	.80	81.9	81.5	NW b W	0.1					
7 „	.824	.976	79.8	76.2	3.6	74.8	.85	80.2	81.4	WNW	0.0					
8 „	.845	29.024	78.4	75.1	3.3	73.8	.86	79.0	81.0	„	0.0					
9 „	.861	.021	78.4	75.6	2.8	74.5	.88	79.2	81.0	W b S	0.0					
10 „	.861	.014	78.4	75.8	2.6	74.7	.89	79.2	80.9	SSW	0.0					
11 „	.845	28.991	78.5	76.0	2.5	75.0	.90	79.0	80.7	„	0.3					
Mar10th-Midnight	.817	29.003	77.8	74.8	3.0	73.5	.87	78.3	80.5	SW	0.0					
1 a. m.	.800	28.985	77.1	74.6	2.5	73.5	.89	78.0	80.5	Calm.	0.0					
2 „	.781	.974	77.2	74.4	2.8	73.2	.88	78.0	80.4	„	0.0					
3 „	.772	.981	76.0	73.6	2.4	72.6	.90	76.9	80.2	„	0.0					
4 „	.782	.996	75.4	73.3	2.1	72.4	.91	76.2	80.0	„	0.0					
5 „	.796	29.017	75.0	73.0	2.0	72.1	.91	75.9	79.9	„	0.0					
6 „	.811	.069	75.0	72.0	3.0	70.6	.87	76.0	79.8	„	0.0					
7 „	.841	.011	77.2	75.0	2.2	74.1	.91	77.7	79.7	SSE	0.1					
8 „	.868	.019	79.0	76.0	3.0	74.8	.88	80.0	79.9	SE	0.0					
9 „	.884	.044	81.2	76.4	4.8	74.5	.81	81.1	80.0	„	0.1					
10 „	.879	.045	83.2	76.8	6.4	74.3	.75	32.4	80.4	S b E	0.1					
11 „	.848	28.958	84.5	78.3	6.2	76.3	.76	84.0	80.6	SW b S	0.2					
Noon.	.819	.942	85.4	78.4	7.0	75.8	.74	84.3	80.9	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.799	.913	86.6	79.0	7.6	76.1	.72	85.6	81.2	SW b W	0.4					
2 „	.792	.935	86.6	78.3	8.3	75.1	.70	85.6	81.5	WSW	0.3					
3 „	.777	.916	86.6	78.4	8.2	75.2	.70	85.2	81.5	W	0.1					
4 „	.771	.899	85.2	78.3	6.9	75.6	.74	84.5	81.5	„	0.1					
5 „	.777	.916	85.5	78.1	7.4	75.2	.72	84.7	81.6	„	0.1					
6 „	.798	.943	82.0	77.0	5.0	75.0	.80	82.0	81.5	W b S	0.0					
7 „	.821	.969	80.5	76.5	4.0	74.9	.84	79.7	81.2	„	0.0					
8 „	.834	.991	79.5	76.0	3.5	74.6	.86	79.2	81.0	W	0.0					
9 „	.858	29.048	79.0	75.0	4.0	73.3	.84	79.7	80.9	„	0.0					
10 „	.857	.045	78.8	75.0	3.8	73.4	.84	79.4	80.8	WSW	0.0					
11 „	.852	.035	78.4	75.0	3.4	73.6	.86	78.7	80.7	SW	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ∩≀ nimbi.	
3	N	≀ scattered about; mist in hor.	At 11 P. M. the Temperature of Dew-Point was 78°1, being 5°9 higher than the Normal Mean. The Range of the Wet Bulb Thermometer was 10°6, the highest in the month.
3	S	≀ scattered about; mist along E hor.	
4	S	" " " "	
4	S	" " " "	
4	S	" " " "	
5	D	" " " "	
4	D	≀ scattered about.	
3	D	" "	
0	D	" "	
2	N	≀ scattered about hor.	
0	N	Clear; dew falling.	
0	N	" "	
0	N	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°5 and 82°1. On the 8th, at 5 A. M., the Wet Bulb Thermometer fell 4°0 in one hour, and at 8 A. M. it rose 3°0 in one hour. Wind blowing abnormally.
3	N	Light ≀ scattered about; dew falling.	
4	N	" " " "	
3	D	" " " "	
3	D	" " " "	
4	D	" " " "	
0	D	Clear, except in hor.	
0	D	≀ scattered around; fog along E hor.	
0	D	A few ≀ above W and SW hor.; mist in hor.	
0	N	" " " " "	
0	N	≀ scattered about, moving W.	
1	N	" " "	
2	N	A few lumps of fleecy clouds in E; ≀ scattered about.	
3	S	" " " " " " "	
3	S	" " " " " " "	
4	S	" " " " " " "	
4	S	≀ and fleecy clouds scattered about, the latter moving ENE.	
4	S	Fleecy clouds scattered from N to SSW; light haze around hor.	
2	L	" " " " " " "	
1	L	Hazy about hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°8 and 82°2. On the 9th, Wind blew in a direct circular motion.
1	L	Fleecy clouds in E, SE, and S hor.	
2	L	Fragments of fleecy clouds scattered at intervals in the sky.	
1	L	Fragments of fleecy clouds scattered about E hor.	
2	L	" " " " "	
3	D	Patches of fleecy clouds scattered about; dew falling.	
3	D	" " " " " " "	
4	D	Fleecy clouds scattered about; fog in NE, E, and SE hor.	
4	D	Patches of fleecy clouds around hor.; ≀ scattered throughout.	
4	N	≀ scattered about; mist in hor.	
5	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	" " "	
7	L	" " "	
6	L	" " "	
7	L	" " "	
6	L	A few patches of ≀≀ above E hor.; ≀ scattered throughout.	
4	L	≀ and ≀≀ scattered at intervals about.	
7	S	Densely clouded with fleecy clouds and ≀, the former moving ENE.	
3	S	≀ and fleecy clouds scattered about hor., the former moving NE.	
2	D	Fragments of fleecy clouds scattered about.	
2	D	" " " " "	
1	D	" " " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar 11th-Midnight	29.847	29.028	78°2	75°0	3°2	73°7	0.87	78°4	80°5	SW	0.0					
1 a. m.	.841	.022	78.2	75.0	3.2	73.6	.87	79.0	80.5	„	0.0					
2 „	.835	.014	78.0	75.0	3.0	73.8	.87	78.6	80.5	„	0.0					
3 „	.828	.029	77.2	74.2	3.0	73.0	.87	78.2	80.3	„	0.0					
4 „	.833	.036	76.7	74.0	2.7	72.9	.89	78.0	80.1	„	0.0					
5 „	.834	.002	77.0	75.0	2.0	74.2	.91	77.8	80.0	SSE	0.2					
6 „	.851	.015	76.6	75.0	1.6	74.3	.93	76.8	79.8	SE	0.3					
7 „	.891	.059	77.0	75.0	2.0	74.2	.91	78.1	79.8	SE b E	0.2					
8 „	.904	.047	80.0	76.5	3.5	75.1	.86	80.2	80.0	„	0.1					
9 „	.920	.076	83.0	77.0	6.0	74.6	.77	82.4	80.5	„	0.1					
10 „	.912	.075	83.6	77.0	6.6	74.4	.75	83.0	80.7	SSE	0.1					
11 „	.902	.038	84.8	78.0	6.8	75.4	.74	84.4	80.9	SW b W	0.1					
Noon.	.877	.026	86.0	78.0	8.0	74.9	.70	84.6	81.2	WSW	0.1	None.	None.	None.	None.	None.
1 p. m.	.851	.009	86.8	78.0	8.8	74.6	.68	86.1	81.4	„	0.2					
2 „	.835	28.968	87.6	78.8	8.8	75.5	.68	86.3	81.5	W b S	0.1					
3 „	.825	.950	87.6	79.0	8.6	75.8	.69	86.5	81.6	„	0.1					
4 „	.817	.967	87.6	78.4	9.2	74.8	.67	86.2	81.9	W	0.1					
5 „	.830	29.019	86.0	77.0	9.0	73.4	.67	84.4	81.9	„	0.1					
6 „	.837	28.986	82.4	77.0	5.4	74.9	.79	82.2	81.7	„	0.1					
7 „	.855	29.028	81.0	76.0	5.0	74.0	.80	80.2	81.5	„	0.1					
8 „	.882	.083	80.2	75.2	5.0	73.0	.80	79.5	81.3	„	0.1					
9 „	.903	.101	79.7	75.0	4.7	73.0	.82	79.2	81.2	„	0.0					
10 „	.896	.086	79.0	75.0	4.0	73.3	.84	79.0	81.1	„	0.0					
11 „	.889	.077	78.8	75.0	3.8	73.4	.84	79.3	81.0	„	0.1					
Mar 12th-Midnight	.882	.068	78.6	75.0	3.6	73.5	.85	79.2	80.8	WSW	0.1					
1 a. m.	.862	.048	78.6	75.0	3.6	73.5	.85	79.3	80.6	„	0.1					
2 „	.841	.037	78.1	74.6	3.5	73.1	.85	78.7	80.5	„	0.1					
3 „	.835	.029	77.7	74.5	3.2	73.6	.87	78.2	80.5	„	0.0					
4 „	.838	.064	76.8	73.4	3.4	71.9	.86	78.0	80.3	SW b W	0.0					
5 „	.848	.034	77.2	74.6	2.6	73.5	.89	78.2	80.1	SSE	0.1					
6 „	.862	.043	76.8	74.6	2.2	73.7	.91	78.0	80.1	SE b S	0.2					
7 „	.881	.051	77.2	75.0	2.2	74.1	.91	78.2	80.0	SE	0.4					
8 „	.904	.062	79.6	76.0	3.6	74.6	.85	80.2	80.2	SE b E	0.1					
9 „	.907	.056	82.4	77.0	5.4	74.9	.79	82.3	80.6	„	0.1					
10 „	.907	.070	83.6	77.0	6.6	74.4	.77	83.5	80.9	„	0.1					
11 „	.876	.045	84.2	77.0	7.2	74.1	.73	84.2	81.0	W	0.1					
Noon.	.848	28.990	85.4	78.0	7.4	75.1	.72	84.7	81.1	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.818	.961	86.2	78.2	8.0	75.1	.70	85.9	81.3	„	0.1					
2 „	.787	.933	87.2	78.4	8.8	75.0	.68	86.1	81.5	WNW	0.1					
3 „	.768	.918	86.8	78.2	8.6	74.8	.69	86.0	81.6	„	0.1					
4 „	.765	.910	86.4	78.2	8.2	75.0	.70	85.4	81.8	NW	0.1					
5 „	.768	.926	85.0	77.5	7.5	74.6	.72	84.2	81.7	„	0.1					
6 „	.781	.927	82.1	77.0	5.1	75.0	.80	81.8	81.7	NW b N	0.1					
7 „	.788	.922	81.0	77.0	4.0	75.4	.84	80.7	81.5	NNW	0.1					
8 „	.809	.952	80.0	76.5	3.5	75.1	.86	80.4	81.3	„	0.0					
9 „	.816	29.008	79.2	75.0	4.2	75.1	.83	79.5	81.1	„	0.0					
10 „	.821	.011	79.0	75.0	4.0	73.3	.84	79.3	81.0	„	0.0					
11 „	.813	28.981	78.4	75.4	3.0	74.2	.87	78.9	80.9	„	0.0					
Mar 13th-Midnight	.809	.994	78.5	75.0	3.5	73.5	.86	78.7	80.8	NNW	0.0					
1 a. m.	.792	.971	78.0	75.0	3.0	73.8	.87	78.4	80.7	„	0.0					
2 „	.781	.989	77.2	74.0	3.2	72.7	.87	78.2	80.6	„	0.0					
3 „	.772	.974	76.6	74.0	2.6	72.9	.89	77.4	80.5	„	0.0					
4 „	.771	.935	76.6	75.0	1.6	74.3	.93	77.5	80.3	NNE	0.0					
5 „	.783	.953	77.2	75.0	2.2	74.1	.91	78.2	80.3	E b S	0.0					
6 „	.804	.978	76.9	74.8	2.1	74.0	.91	77.2	80.1	„	0.0					
7 „	.828	.963	77.5	76.0	1.5	75.4	.93	78.3	80.2	„	0.0	None.			None.	
8 „	.850	.996	80.3	76.5	3.8	75.0	.85	80.3	80.1	„	0.0		Pos.	2.0		Above 10m.
9 „	.861	29.006	82.0	77.0	5.0	75.0	.80	82.2	80.6	ESE	0.1		Pos.	4.0		Above 10m.
10 „	.851	.053	83.6	76.0	7.6	72.9	.71	83.4	80.8	NNW	0.1		Pos.	2.0		Above 10m.
11 „	.824	.002	85.0	77.0	8.0	73.8	.70	84.6	80.9	„	0.1		Pos.	2.0		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ∩∩∩ nimbi.	
2	D	Fragments of fleecy clouds scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9 and 82°3.
0	N	Clear, except in hor.	
1	N	≤ and a few fragments of fleecy clouds along hor.	
1	N	≤ scattered about E hor., and fleecy clouds above W hor.	
2	N	Light ≤ and fragments of fleecy clouds scattered about.	
1	S	Densely clouded around hor., otherwise clear.	
1	S	" " " " "	
1	S	Fragments of fleecy clouds from S to N hor., and light ≤ in remainder of hor.	
0	S	A few streaks of ≤ and fragments of fleecy clouds around hor.; mist in hor.	
0	D	≤ from E to SW hor., and fragments of fleecy clouds in remainder of hor.	
0	D	" " " " " " " " "	
0	D	A few ≤ about E hor.	
0	D	" " "	
1	N	Fragments of fleecy clouds scattered about hor. from S to N.	
1	N	" " " " " " "	
1	N	" " " " " " "	
1	N	" " " " " " "	
4	S	Fleecy clouds scattered about, moving ENE.	
4	S	Fleecy clouds scattered about, moving E; hazy.	
4	S	" " " " "	
2	S	Fleecy clouds scattered about hor., moving E.	
2	D	" " " " "	
2	D	" " " " "	
1	D	" " " " "	
1	D	Fleecy clouds around hor.	
1	N	" " "	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 82°3.
1	N	" " "	
1	N	" " "	
1	N	" " "	
0	S	" " "	
0	S	A few clouds about W hor.; *fog* in NE, E, and SE hor.	On the 11th and 12th, the Ranges of the Wet Bulb Thermometer were lowest during the month.
0	S	" " " " " " "	
0	S	" " " " " " "	
0	D	" " " " " " "	
0	D	" " " " " " "	
0	D	A few clouds along hor. from S to NW; light mist in hor.	
0	D	" " " " " " "	
0	N	Mist along E hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	S	A few patches of fleecy clouds moving SE.	
1	S	Patches of fleecy clouds scattered about, moving SE.	
0	S	Haze around hor.	
1	S	Light ≤≤ scattered about, moving E.	
1	D	Light ≤≤ scattered around hor., moving E.	
1	D	" " " " "	
4	D	Fleecy clouds scattered about, moving E; dew falling.	
2	D	Fleecy clouds scattered about hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 87°1 and 82°4.
1	D	" " " " " "	
1	D	" " " " " "	
2	D	" " " " " "	
3	D	" " " " " "	
2	S	Dense fleecy clouds about W, NW, and N hor.	On the 13th the second Maximum of Barometer occurred a little later; the first or Morning Maximum of the same being 0.101 in. higher than the second. Fresh breezes blowing in the Evening, Maximum Pressure being 1.6 lb. At 11 P. M. the Wet Bulb Thermometer rose 4°0 in one hour.
2	S	Patches of clouds from S to N hor.; mist around hor.	
2	S	Fragments of fleecy clouds and mist around hor.	
1	S	" " " " "	
1	D	" " " " "	
0	D	Light mist in hor.	
0	D	" "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 13th-Noon.	29.779	28.952	85°7	77°3	8°4	74°0	0.69	84°7	81°0	NNW	0.3					
1 p. m.	.745	.875	86.6	78.6	8.0	75.7	.71	86.0	81.5	„	0.4					
2 „	.705	.855	88.0	78.5	9.5	74.8	.66	87.2	81.8	„	0.6					
3 „	.680	.848	89.2	78.4	10.8	74.2	.62	88.3	82.2	„	0.7					
4 „	.669	.854	90.0	78.2	11.8	73.5	.60	89.2	82.4	„	0.6					
5 „	.673	.855	89.0	78.0	11.0	73.6	.62	88.1	82.5	„	0.7	None.	None.	None.	None.	None.
6 „	.680	.904	85.6	76.0	9.6	72.0	.65	85.4	82.4	„	1.2					
7 „	.698	.968	85.0	74.6	10.4	70.1	.63	85.2	82.1	„	1.6					
8 „	.716	.986	85.0	74.6	10.4	70.1	.63	84.7	82.0	„	1.0					
9 „	.745	29.104	84.2	72.0	12.2	66.1	.56	84.3	82.0	N	0.1					
10 „	.748	.117	81.8	71.0	10 8	65.6	.59	82.4	81.9	N b E	0.0					
11 „	.760	28.985	82.2	75.0	7.2	72.0	.72	82.4	81.8	W	0.0					
Mar 14th-Midnight	.753	.967	81.2	75.0	6.2	72.4	.76	81.7	81.6	WNW	0.0					
1 a. m.	.742	.911	80.6	76.0	4.6	74.1	.82	81.0	81.5	NW	0.0					
2 „	.732	.925	80.3	75.3	5.0	73.2	.80	80.5	81.5	NNW	0.0					
3 „	.728	.917	79.8	75.0	4.8	73.4	.81	80.2	81.4	„	0.0					
4 „	.740	.964	78.6	74.0	4.6	72.0	.81	79.2	81.2	N b W	0.0					
5 „	.754	29.003	77.5	73.0	4.5	71.0	.81	78.5	81.0	„	0.0					
6 „	.766	28.924	78.2	75.6	2.6	74.6	.89	78.8	80.8	E	0.1					
7 „	.792	.980	78.8	75.0	3.8	73.4	.84	79.7	80.9	„	0.0					
8 „	.820	.990	82.5	76.5	6.0	74.1	.77	82.4	81.0	„	0.0					
9 „	.837	.940	85.6	79.0	6.6	76.5	.75	84.2	81.5	S	0.1					
10 „	.848	.885	87.4	81.0	6.4	78.8	.76	86.4	81.8	„	0.2					
11 „	.835	.920	87.8	80.0	7.8	77.2	.71	86.7	81.9	SSW	0.1	None.	None.	None.	None.	None.
Noon.	.814	.916	89.4	80.0	9.4	76.6	.66	88.4	82.1	WSW	0.1					
1 p. m.	.771	.790	89.7	82.0	7.7	79.3	.73	88.7	82.6	W b S	0.2					
2 „	.751	.771	89.8	82.0	7.8	79.3	.72	89.0	82.9	WSW	0.1					
3 „	.739	.802	89.6	81.2	8.4	77.9	.70	88.6	83.1	„	0.1					
4 „	.728	.794	90.0	81.0	9.0	77.8	.68	88.6	83.2	„	0.2					
5 „	.738	.869	88.2	79.0	9.2	75.5	.67	87.2	83.2	SW	0.1					
6 „	.755	.854	85.0	79.0	6.0	76.8	.77	84.2	83.1	SW b S	0.1					
7 „	.783	.821	83.5	80.0	3.5	78.7	.86	83.7	83.0	S b W	0.2					
8 „	.807	.854	82.5	79.5	3.0	78.4	.88	83.2	82.7	S	0.7					
9 „	.823	.886	82.0	79.0	3.0	77.9	.88	82.3	82.6	„	0.1					
10 „	.832	.930	81.4	78.0	3.4	76.7	.86	82.3	82.5	SSE	0.1					
11 „	.837	.935	81.4	78.0	3.4	76.7	.86	82.2	82.4	S b E	0.0					
Mar 15th-Midnight	.833	.962	80.5	77.0	3.5	75.6	.85	82.0	82.3	SSE	0.0					
1 a. m.	.831	.958	80.4	77.0	3.4	75.7	.86	81.0	82.2	„	0.0					
2 „	.846	.940	81.0	78.0	3.0	76.8	.88	81.7	82.2	S	0.2					
3 „	.820	.937	80.6	77.3	3.3	76.0	.87	81.4	82.1	„	0.3					
4 „	.805	.895	80.6	78.0	2.6	77.0	.89	81.4	82.0	SSW	0.1					
5 „	.830	.915	80.2	78.0	2.2	77.2	.91	81.2	82.0	„	0.0					
6 „	.841	.943	79.6	77.4	2.2	76.6	.91	80.6	82.0	S	0.2					
7 „	.868	29.098	79.4	76.4	3.0	75.2	.88	80.2	81.7	ESE	0.2					
8 „	.896	.008	82.6	78.0	4.6	76.2	.82	83.0	81.7	„	0.2					
9 „	.918	.005	84.9	79.2	5.7	77.1	.78	84.2	82.1	„	0.0					
10 „	.917	28.999	86.8	79.8	7.0	77.3	.74	86.0	82.4	„	0.1					
11 „	.896	.970	87.6	80.2	7.4	77.5	.73	86.6	82.5	S b W	0.2					
Noon.	.871	.943	88.8	80.8	8.0	77.6	.71	88.2	82.8	„	0.4	None.			None.	
1 p. m.	.841	.928	89.6	80.4	9.2	77.1	.67	88.8	83.0	SW	0.2		Pos.	7.0		2.15
2 „	.810	.872	89.6	81.0	8.6	77.9	.69	89.2	83.3	WSW	0.3		Pos.	1.0		Above 10m.
3 „	.797	.863	90.0	81.0	9.0	77.8	.68	89.4	83.5	„	0.3					
4 „	.769	.871	89.4	80.0	9.4	76.6	.67	89.3	83.6	„	0.1					
5 „	.793	.882	88.2	80.0	8.2	77.0	.70	87.4	83.7	W b S	0.2					
6 „	.803	.897	84.8	79.0	5.8	76.8	.78	84.5	83.5	„	0.1					
7 „	.821	.939	83.2	78.0	5.2	76.0	.80	83.0	83.4	W	0.1					
8 „	.830	.975	82.0	77.0	5.0	75.0	.80	82.3	83.2	„	0.1					
9 „	.831	.969	81.2	77.0	4.2	75.4	.83	81.8	83.1	„	0.1					
10 „	.834	.959	80.2	77.0	3.2	75.8	.87	81.2	82.9	„	0.0					
11 „	.826	.946	79.5	77.0	2.5	76.0	.90	79.3	82.7	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
0	N	Light mist in hor.	At 4 P. M. the Reading of Barometer was 29.669, being the lowest in the month. At 10 P. M. the temperature of Dew-Point was 65.6, being 6°4 lower than the Normal Mean. The Range of Barometer was 0.192 inches, the highest in the month.
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	S	" "	
0	S	" " fresh sea-breezes.	
0	S	" " "	
0	S	Hor. hazy.	
0	D		
0	D	"	
0	D	"	
0	D	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°2 and 82°4.
0	D	" " "	
0	N	Dense ⌣ about E hor.	
0	N	" " "	
0	N	" " "	
0	S	Clear.	
0	S	Mist around hor.	
0	S	⌣ in N; mist along E hor.	
0	S	Fog in hor. from NE to SSE.	
0	D	" " " "	
0	D	" " " "	
0	D	" " " "	
0	D	Mist in hor.	
0	N	" "	
0	N	" "	
0	N	" "	
1	N	⌒∿ in E; a few patches of fleecy clouds about SE hor.	
1	S	⌒∿ in E and SE; mist around hor.	
1	S	" " " "	
1	S	Scud floating NE about.	
0	S	Hazy around hor.	
0	D	Clear.	
0	D		
0	D	"	
0	D	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 82°5.
0	N	"	
6	N	Fleecy clouds scattered throughout, moving N.	
0	N	Clear; dew falling.	
0	N	" "	
0	S	Clear, except in hor.	
4	S	Scud floating N.	
7	S	Clouded with dense fleecy clouds, moving N.	
4	S	" " " " " ; fog in NE, E, and SE hor.	
3	N	Fleecy clouds scattered about; mist around hor.	
1	N	Patches of fleecy clouds around hor.; mist along E hor.	
2	N	" " " " " "	
2	N	" " " " " "	
2	N	" " " " " "	
1	D	⌒∿ in NE, E, and SE hor., and fragments of fleecy clouds in remainder of hor.	
1	D	" " " " " " " " "	
3	D	⌒∿ along E hor.; haze around hor.; fleecy clouds scattered about hor., moving E.	
3	D	" " " " " " " " "	
4	D	⌒∿ along E hor.; fleecy clouds scattered about hor.; lightning in NE.	
3	D	" " " " " " " "	
2	D	" " " " " " " "	
1	D	Fleecy clouds scattered around hor.	
0	D	Clear, except in hor.	
1	D	A few clouds scattered about hor.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar 17th-Midnight	29.847	29.000	79°2	76°0	3°2	74°7	0.87	80°2	82°1	NNW	0.0					
1 a. m.	.831	28.961	79.3	76.6	2.7	75.5	.90	80.2	81.9	NW b N	0.0					
2 „	.817	.994	78.6	75.2	3.4	73.8	.86	79.2	81.8	„	0.0					
3 „	.825	.981	77.7	75.5	2.2	74.6	.91	78.2	81.5	„	0.0					
4 „	.829	.992	77.6	75.3	2.3	74.4	.90	78.2	81.5	„	0.0					
5 „	.851	29.026	77.6	75.0	2.6	73.9	.89	78.2	81.1	„	0.0					
6 „	.873	.041	77.0	75.0	2.0	74.2	.92	78.2	81.0	NNW	0.0					
7 „	.896	.029	78.8	76.4	2.4	75.5	.90	79.6	81.0	ENE	0.0					
8 „	.917	.088	80.8	76.0	4.8	74.1	.80	81.2	81.1	„	0.0					
9 „	.934	.090	83.0	77.0	6.0	74.6	.77	82.4	81.4	„	0.0		Pos.	1.0		Above 10m.
10 „	.928	.136	84.2	76.6	8.2	72.7	.69	84.2	81.7	„	0.0					
11 „	.908	.101	86.4	77.0	9.4	73.2	.66	85.8	82.0	„	0.1	None.			None.	
Noon.	.898	.142	87.5	76.0	11.5	71.2	.59	86.4	82.1	NW	0.3					
1 p. m.	.862	.088	88.3	76.7	11.6	71.9	.60	87.6	82.3	„	0.4		Pos.	1.0		Above 10m.
2 „	.832	.024	88.1	77.5	10.6	73.3	.63	87.4	82.4	„	0.8		Pos.	1.0		Above 10m.
3 „	.797	28.994	88.2	77.4	10.8	73.1	.62	87.4	82.6	„	0.7					
4 „	.785	29.005	88.1	76.8	11.3	72.2	.60	89.0	82.8	NW b N	0.8					
5 „	.787	.022	87.4	76.2	11.2	71.6	.60	86.8	82.9	„	1.2					
6 „	.799	.005	85.4	76.4	9.0	72.8	.67	84.7	82.7	NW	1.0		Pos.	1.0		Above 10m.
7 „	.804	.014	84.4	76.0	8.4	72.6	.69	84.2	82.6	NNW	0.7					
8 „	.829	.028	83.4	76.0	7.4	73.0	.72	84.0	82.4	„	0.5					
9 „	.837	.032	83.0	76.0	7.0	73.2	.73	82.4	82.5	„	0.1					
10 „	.871	.059	82.4	76.0	6.4	73.4	.75	82.2	82.4	„	0.3					
11 „	.850	.066	81.4	75.0	6.4	72.0	.75	82.0	82.3	„	0.2					
Mar 18th-Midnight	.836	.009	81.0	76.0	5.0	74.0	.80	81.4	82.2	NNW	0.7					
1 a. m.	.819	.027	80.6	75.0	5.6	72.7	.78	80.4	82.2	„	0.5		Pos.	3.0		Above 10m.
2 „	.820	.027	79.9	74.8	5.1	72.7	.79	79.2	82.0	N b E	0.2		Pos.	2.0		Above 10m.
3 „	.817	.051	78.2	73.6	4.6	71.6	.81	78.2	81.8	NNE	0.0		Pos.	2.0		Above 10m.
4 „	.828	.115	77.6	72.0	5.6	69.4	.77	78.2	81.5	„	0.0		Pos.	2.0		Above 10m.
5 „	.840	.087	77.4	73.0	4.4	71.1	.86	78.2	81.2	„	0.0		Pos.	3.0		Above 10m.
6 „	.858	.057	78.4	74.6	3.8	73.0	.85	78.8	81.1	NE	0.1		Pos.	3.0		Above 10m.
7 „	.889	.040	80.2	76.2	4.0	74.8	.84	80.4	81.2	„	0.0		Pos.	10.0		1.30
8 „	.906	.145	82.8	74.8	8.0	71.4	.69	83.0	81.3	„	0.3					
9 „	.927	.187	85.4	75.0	10.4	70.5	.62	84.4	81.8	N b W	0.1		Pos.	1.0		Above 10m.
10 „	.922	.133	88.0	77.0	11.0	72.6	.61	87.6	82.3	NNE	0.0		Pos.	1.0		Above 10m.
11 „	.906	.130	89.2	77.0	12.2	72.0	.58	88.0	82.7	NNW	0.1		Pos.	4.0		Above 10m.
Noon.	.870	.056	89.4	78.0	11.4	73.5	.60	88.3	82.8	„	0.1	None.	Pos.	2.0	None.	Above 10m.
1 p. m.	.834	.006	89.0	78.5	11.5	74.0	.61	89.0	82.9	W b N	0.4		Pos.	1.0		Above 10m.
2 „	.815	28.979	89.7	78.6	11.1	74.3	.62	88.4	83.0	WNW	1.0					
3 „	.780	29.008	88.8	76.8	12.0	71.8	.59	88.2	83.3	„	1.5					
4 „	.771	.043	88.2	75.5	12.7	70.0	.56	88.2	83.5	„	2.0					
5 „	.771	.049	87.0	75.0	12.0	69.8	.58	86.4	83.4	„	1.8					
6 „	.773	.010	84.3	75.3	9.0	71.5	.67	83.6	83.2	„	1.8					
7 „	.799	28.983	82.0	76.0	6.0	73.6	.77	82.2	82.6	„	2.0					
8 „	.822	29.029	81.3	75.2	6.1	72.7	.76	81.5	82.3	„	1.8		Pos.	1.0		Above 10m.
9 „	.844	.056	81.0	75.0	6.0	72.5	.76	81.7	82.4	„	1.5		Pos.	1.0		Above 10m.
10 „	.842	.054	81.0	75.0	6.0	72.5	.76	81.4	82.4	„	1.8		Pos.	1.0		Above 10m.
11 „	.835	.042	80.5	75.0	5.5	72.7	.78	80.6	82.3	„	1.6		Pos.	2.0		Above 10m.
Mar 19th-Midnight	.827	28.989	80.0	76.0	4.0	74.4	.84	80.2	82.2	WNW	0.4					
1 a. m.	.827	29.054	79.6	74.2	5.4	71.9	.78	80.2	82.0	NW	0.0					
2 „	.827	.053	78.8	74.0	4.8	71.9	.80	79.8	81.8	NW b W	0.0					
3 „	.817	.056	77.9	73.4	4.5	71.4	.81	78.8	81.6	„	0.0					
4 „	.824	.034	77.4	74.0	3.4	72.6	.86	78.2	81.5	„	0.0					
5 „	.827	.022	77.8	74.5	3.3	73.2	.86	78.4	81.3	SE	0.0					
6 „	.857	.089	77.0	73.3	3.7	71.7	.84	77.7	81.1	„	0.0	None.	None.	None.	None.	None.
7 „	.876	.058	79.1	75.2	3.9	73.6	.84	80.1	81.0	SSW	0.0					
8 „	.895	.107	81.0	75.0	6.0	72.5	.76	81.2	81.2	WNW	0.0					
9 „	.920	.117	83.2	76.0	7.2	73.1	.73	82.2	81.4	„	0.2					
10 „	.920	.111	84.0	76.4	7.6	73.3	.71	83.4	81.6	„	0.1					
11 „	.901	.105	84.6	76.2	8.4	72.8	.69	83.6	81.8	W b N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	D	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 82°6. On the 17th, fresh breezes blowing in the afternoon, Maximum Pressure being 1.2 lb.; the Morning Minimum of Barometer occurred a little earlier. At 9 A. M. the Reading of Barometer was 29.934, being 0.029 inches higher than the Normal Mean.
0	N	A few clouds in W hem.	
0	N	Cloudless.	
0	N	A few clouds in hor. from NE to SSE.	
0	N	Clouded as on the last hour; dew falling.	
0	S	A few clouds in W and SW hor.	
0	S	Fragments of fleecy clouds in SW and W hor.; mist around hor.	
0	S	Mist around hor.	
0	S	Fog from NW to SE hor.	
0	D	A few ⌒i in SW and S hor.; mist in NW and W hor.	
1	D	Light ⌒i scattered about.	
1	D	" " "	
0	D	A few ⌒i about hor.	
0	N	Fleecy clouds scattered about hor. from NE to ESE; mist in hor.	
0	N	" " " " " " " "	
0	N	" " " " " " " "	
1	N	" " " " " " " "	
0	S	A few clouds in NE; mist in hor.	
1	S	" " " "	
0	S	⌒i scattered in NE, E, and W; hazy around hor.	
0	S	" " " " "	
0	D	A few ⌒i in SE, S, and SW hor.	
0	D	A few fragments of fleecy clouds in SW and S; strong wind at 10h. 16m.	
0	D	⌒i scattered about SE, S, and SW hor.	
3	D	Light ⌒i scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 82°6. On the 18th the Maximum Tension of Electricity was 10 Scale divisions by Volta No. 1. Fresh breezes blowing in the afternoon, Maximum Pressure being 2.0 lb.
0	N	Clear, except in hor.	
0	N	" " "	
0	N	" " "	
0	N	" " "	
0	S	" " "	
1	S	⌒⌒i above E, SE, and S hor.; mist in hor.	
1	S	A few patches of ⌒⌒i in E and SE; hazy about hor.	
0	S	Patches of ⌒⌒i in N; mist along E hor.	
0	D	Fragments of clouds in N, SW, and W hor.	
0	D	" " " " "	
0	D	A few ⌒i about SW, W, and NW hor.	
0	D	" " " "	
1	N	⌒i in NE and E; ⌒⌒i scattered in W hem.	
5	N	⌒i in NE and E; ⌒⌒i scattered about.	
3	N	" " " "	
2	N	Fragments of ⌒⌒i around hor.; smart sea breezes.	
0	S	" " " " "	
1	S	" " " " "	
0	S	" " " " "	
0	S	A few patches of ⌒⌒i in SW; haze about hor.	
1	D	A few fragments of ⌒⌒i along W hor.	
1	D	" " " "	
0	D	A few clouds in W and NW hor.	
0	D	A few clouds in W and NW hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 82°7. On the 19th Wind blowing in circular direction. Range of Air Temperature was lowest on this day during the month.
0	N	⌒⌒i scattered from W to NW hor.	
1	N	⌒⌒i scattered from SSW to NW hor.	
0	N	Clear.	
0	N	Cloudless; dew falling.	
0	S	Hazy about hor.	
1	S	Fragments of ⌒⌒i and fleecy clouds scattered about hor.	
3	S	Patches of fleecy clouds scattered about, moving SE.	
2	S	Fleecy clouds scattered about hor.; mist from NE to SE hor.	
3	N	Patches of fleecy clouds scattered about, moving E.	
4	N	" " " " " "	
0	N	Cloudless.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 19th-Noon.	29.865	29.076	85°2	76°2	9°0	72°6	0.67	84°2	82°1	WSW	0.1					
1 p. m.	.813	.043	86.2	76.0	10.2	71.8	.63	84.4	82.1	NW b W	0.1					
2 „	.782	.014	86.4	76.0	10.4	71.7	.62	84.4	82.2	WNW	0.2					
3 „	.768	28.998	86.2	76.0	10.2	71.8	.63	84.5	82.4	NW	0.3					
4 „	.768	29.062	85.0	74.0	11.0	69.1	.60	84.2	82.2	„	0.3					
5 „	.778	.047	83.4	74.2	9.2	70.2	.66	82.2	82.0	„	0.6	None.			None.	
6 „	.791	.030	80.4	74.0	6.0	71.4	.76	80.2	81.7	NW b W	0.2					
7 „	.796	.075	79.0	72.6	6.4	69.8	.75	79.4	81.5	NNW	0.2		Pos.	3.0		2.30
8 „	.821	.102	78.4	72.4	6.0	69.7	.76	79.2	81.3	„	0.2		Pos.	2.0		2.00
9 „	.832	.123	78.0	72.0	6.0	69.2	.76	79.0	81.2	„	0.1		Pos.	1.0		3.20
10 „	.825	.107	77.2	72.0	5.2	69.6	.78	78.5	81.1	„	0.1		Pos	2.0		Above 10m.
11 „	.820	.118	75.4	71.0	4.4	68.9	.71	76.4	80.9	„	0.0		Pos.	1.0		Above 10m.
Mar 20th-Midnight	.810	.115	76.0	71.0	5.0	68.6	.79	76.2	80.7	NNW	0.0		Pos.	1.0		Above 10m.
1 a. m.	.797	.124	76.4	70.5	5.9	67.6	.75	77.0	80.6	NW b N	0.1		Pos	1.0		Above 10m.
2 „	.786	.181	75.5	68.2	7.3	64.4	.70	76.2	80.4	„	0.1					
3 „	.777	.131	74.8	69.2	5.6	65.4	.76	74.8	80.0	NNW	0.0					
4 „	.777	.158	73.6	68.0	5.6	65.1	.76	74.2	80.0	„	0.0					
5 „	.787	.082	73.5	70.5	3.0	69.0	.86	74.4	79.4	„	0.0					
6 „	.804	.118	73.6	70.0	3.6	68.2	.84	74.0	79.4	„	0.0					
7 „	.826	.110	75.8	71.5	4.3	69.5	.82	76.5	79.4	NE b E	0.0					
8 „	.850	.108	78.4	73.0	5.4	70.6	.77	78.4	79.8	„	0.0					
9 „	.872	.113	80.2	74.0	6.2	71.3	.75	80.1	80.0	NE	0.0					
10 „	.869	.125	82.2	74.2	8.0	70.7	.69	81.2	80.3	NW	0.0					
11 „	.852	.131	83.6	74.0	9.6	69.8	.64	83.4	80.5	WNW	0.0	None.			None.	
Noon.	.820	.076	85.0	75.0	10.0	70.7	.64	84.3	80.7	„	0.1					
1 p. m.	.793	.006	85.4	76.2	9.2	72.5	.66	85.4	81.0	NW b W	0.1					
2 „	.779	28.992	87.4	76.8	10.6	72.5	.62	86.2	81.3	„	0.2					
3 „	.759	.965	87.5	77.0	10.5	72.8	.63	86.2	81.5	„	0.1					
4 „	.746	.952	86.8	76.8	10.0	72.8	.64	85.2	81.5	„	0.3					
5 „	.748	.960	84.5	76.0	8.5	72.5	.68	83.2	81.6	„	0.3					
6 „	.755	.978	82.0	75.0	7.0	72.0	.73	82.0	81.6	NW	0.2					
7 „	.774	.977	80.2	75.0	5.2	72.9	.79	80.8	81.2	„	0.1					
8 „	.788	29.002	79.5	74.5	5.0	72.4	.80	80.2	81.0	„	0.0					
9 „	.801	.022	78.4	74.0	4.4	72.1	.82	79.0	81.0	„	0.0					
10 „	.806	.047	77.8	73.0	4.8	71.3	.80	78.6	80.9	„	0.0					
11 „	.802	.045	77.0	73.0	4.0	71.2	.83	77.4	80.7	„	0.0					
Mar 24th-Midnight	.819	.039	78.2	74.0	4.2	72.3	.83	78.8	80.6	NW b W	0.0					
1 a. m.	.806	.045	78.2	73.8	4.4	71.4	.82	78.2	80.6	„	0.0					
2 „	.807	.038	78.2	73.7	4.5	71.7	.81	78.2	80.5	„	0.1					
3 „	.789	.039	77.6	73.0	4.6	71.0	.81	78.0	80.5	NW	0.0					
4 „	.793	.044	76.7	72.7	4.0	70.9	.83	77.6	80.2	„	0.0					
5 „	.800	.071	76.2	72.0	4.2	70.1	.82	76.7	80.1	„	0.0					
6 „	.825	.139	76.8	71.0	5.8	68.2	.76	77.0	80.0	„	0.0					
7 „	.852	.069	78.0	74.0	4.0	72.3	.83	79.2	80.0	„	0.0					
8 „	.875	.020	82.0	77.0	5.0	75.0	.80	82.3	80.4	„	0.1					
9 „	.885	.039	83.4	77.4	6.0	75.1	.77	82.6	80.8	SE b E	0.0					
10 „	.875	.015	84.0	77.6	6.4	75.2	.75	82.8	81.0	„	0.0					
11 „	.853	.062	84.3	76.0	8.3	72.6	.69	84.0	81.1	„	0.0	None.	None.	None.	None.	None.
Noon.	.839	.101	85.5	75.0	10.5	70.5	.62	84.2	81.2	WNW	0.0					
1 p. m.	.809	.076	87.4	75.4	12.0	70.2	.58	85.2	81.5	NW b W	0.2					
2 „	.785	.024	87.7	76.2	11.5	71.4	.60	86.0	81.7	„	0.4					
3 „	.764	28.972	87.7	77.0	10.7	72.7	.62	86.0	82.0	„	0.3					
4 „	.759	.992	87.2	76.2	11.0	71.6	.61	85.3	82.0	„	0.2					
5 „	.768	.985	85.0	76.0	9.0	72.3	.67	84.3	82.0	„	0.1					
6 „	.774	.988	81.2	75.0	6.2	72.4	.76	80.7	81.7	„	0.1					
7 „	.779	29.018	80.0	74.0	6.0	71.4	.76	79.8	81.5	NW	0.1					
8 „	.799	.034	79.6	74.0	5.6	71.6	.77	80.0	81.3	NW b N	0.1					
9 „	.811	.041	79.2	74.0	5.2	71.8	.72	79.6	81.0	„	0.1					
10 „	.814	.040	78.8	74.0	4.8	71.9	.86	79.3	80.5	„	0.1					
11 „	.806	.035	78.4	73.8	4.6	71.8	.81	78.8	80.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
1	N	Fragments of fleecy clouds scattered at intervals about hor.	
0	D	A few clouds about W and NW hor.	
0	D	A few clouds along E hor.	
0	D	A few fragments of clouds about NE and E hor.	
0	D	Cloudless.	
0	S	"	
0	S	"	
0	S	Clear, except in hor.	
0	S	" "	
0	D	" "	
0	D	" "	
0	D	" "	
0	D	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 82°8.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	S	A few clouds scattered about hor.	
0	S	" " " "	
1	S	Patches of fleecy clouds scattered at intervals about hor.; fog from NW to SE hor.	
0	S	" " " " " " " " "	
0	N	A few fragments of clouds above S hor.; mist around hor.	
0	N	" " " " " " "	
0	D	A few clouds in hor.	
0	D	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	S	" "	
0	S	" "	
0	S	A few lumps of fleecy clouds moving SE; mist around hor.	
0	S	" " " " " " "	
0	D	Hazy.	
0	D	"	
0	D	"	
1	C	Fragments of fleecy clouds scattered about hor.	
3	L	Patches of fleecy clouds scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 82°7.
5	L	" " " " " "	
2	L	Fleecy clouds scattered about hor., and a few about zth.	
4	L	Fleecy clouds scattered about, moving E.	
3	D	" " " " "	
5	D	" " " " "	
4	D	Light ≀ scattered about, moving E.	
4	D	" " " "	
5	C	" " " "	
4	C	" " " "	
2	C	" " " "	
0	C	Clear, except in hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	C	"	
0	C	"	
3	C	Light ≀ scattered about, moving E.	

On the 20th, at 5 A. M., the Temperature of Air was 73°5, being the lowest in the month. At 2 A. M. the Temperature of Dew-Point was 64°4, being 7°9 lower than the Normal Mean. At 4 A. M. the Temperature of Wet Bulb Thermometer was 68°0, being 5°1 lower than the Normal Mean.

On the 24th perpendicularity of Barometer examined. At 7 and 8 A. M. the Temperature of Wet Bulb Thermometer rose 3°0 in one hour. At 2 A. M. the Barometer rose a little instead of falling. Wind was blowing in a circular direction on this day and on the 21st of March.

Bombay Civil Time. 1856.	Standard Barometer, Corrected to 32° Fahr.	Standard Barometer, Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the original degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar 25th-Midnight	29.801	29.031	78°2	73°8	4°4	71°8	0.81	78°6	80°3	NW b N	0.2					
1 a. m.	.779	.033	78.0	73.0	5.0	70.8	.79	78.2	80.6	,,	0.0					
2 ,,	.761	28.996	77.7	73.0	4.7	71.6	.81	78.2	80.6	,,	0.1					
3 ,,	.754	29.021	77.8	72.8	5.0	70.2	.79	78.2	80.5	,,	0.2					
4 ,,	.754	.039	77.4	72.0	5.4	69.5	.78	78.0	80.4	,,	0.1					
5 ,,	.760	.033	76.4	72.0	4.4	70.0	.81	77.3	80.3	,,	0.0					
6 ,,	.783	.052	76.0	72.0	4.0	70.2	.83	76.8	80.2	,,	0.1					
7 ,,	.807	.050	77.0	73.0	4.0	71.2	.83	78.2	80.1	,,	0.1					
8 ,,	.832	.071	80.0	74.0	6.0	71.4	.76	80.2	80.3	N	0.1					
9 ,,	.829	.086	82.2	74.1	8.1	70.7	.69	82.2	80.5	,,	0.1					
10 ,,	.829	.121	83.4	73.5	9.9	69.2	.63	82.7	80.7	NNW	0.2					
11 ,,	.830	.133	84.4	73.6	10.8	68.7	.61	83.2	80.8	,,	0.3	None.	None.	None.	None.	None.
Noon.	.811	.086	84.6	74.3	10.3	69.9	.62	83.6	81.0	,,	0.3					
1 p. m.	.784	.068	85.5	74.4	11.1	69.5	.60	83.8	81.1	NW b N	0.3					
2 ,,	.763	.034	85.6	74.8	10.8	70.1	.61	83.9	81.3	,,	0.4					
3 ,,	.744	.016	86.5	75.0	11.5	70.0	.59	85.2	81.5	,,	0.3					
4 ,,	.742	.035	85.6	74.2	11.4	69.1	.59	83.7	81.5	,,	0.4					
5 ,,	.743	.027	83.4	73.8	9.6	69.5	.68	82.6	81.2	,,	0.3					
6 ,,	.756	.036	80.4	73.0	7.4	69.7	.71	80.4	81.0	,,	0.1					
7 ,,	.769	.039	78.8	72.8	6.0	70.1	.76	79.2	81.0	NNW	0.0					
8 ,,	.788	.056	78.0	72.6	5.4	70.2	.78	78.7	80.8	,,	0.0					
9 ,,	.799	.083	77.4	72.0	5.4	69.5	.78	77	80.6	,,	0.0					
10 ,,	.797	.075	76.8	72.0	4.8	69.8	.80	77.4	80.5	,,	0.0					
11 ,,	.792	.099	76.2	71.0	5.2	68.5	.78	77.2	80.3	,,	0.0					
Mar 26th-Midnight	.783	.088	76.0	71.0	5.0	68.6	.79	76.4	80.2	NNW	0.0					
1 a. m.	.773	.069	76.5	71.4	5.1	69.0	.79	77.2	80.1	NW b N	0.0					
2 ,,	.765	.077	76.6	71.0	5.6	68.3	.77	77.0	80.0	,,	0.0					
3 ,,	.763	.110	76.6	70.0	6.6	66.7	.73	77.0	80.0	,,	0.1					
4 ,,	.765	.074	76.4	71.0	5.4	68.4	.77	76.8	79.8	,,	0.1					
5 ,,	.774	.079	76.0	71.0	5.0	68.6	.79	75.9	79.7	N b W	0.0					
6 ,,	.800	.105	76.0	71.0	5.0	68.6	.79	76.2	79.6	NE b E	0.0					
7 ,,	.816	.061	77.2	73.0	4.2	71.2	.82	77.3	79.5	,,	0.0					
8 ,,	.830	.097	79.2	73.0	6.2	70.2	.75	80.0	79.7	ENE	0.1					
9 ,,	.841	.103	81.4	73.8	7.6	70.5	.71	81.2	80.1	,,	0.0					
10 ,,	.840	.107	83.2	74.2	9.0	70.2	.66	82.4	80.4	,,	0.0					
11 ,,	.830	.091	84.8	74.8	10.0	70.5	.64	83.2	80.6	NW b N	0.1					
Noon.	.798	28.993	86.2	76.8	9.4	73.2	.66	85.2	81.0	NW	0.1	None.	None.	None.	None.	None.
1 p. m.	.795	29.036	87.2	75.5	11.7	70.5	.59	85.7	81.2	,,	0.5					
2 ,,	.754	28.974	88.1	76.8	11.3	72.2	.60	86.6	81.5	,,	0.4					
3 ,,	.739	.980	87.2	76.0	11.2	71.3	.61	85.8	81.5	,,	0.6					
4 ,,	.736	.974	86.2	75.8	10.4	71.4	.63	84.7	81.5	,,	0.3					
5 ,,	.734	.972	83.4	75.0	8.4	71.4	.67	83.2	81.5	NW b N	0.7					
6 ,,	.747	.999	81.2	74.0	7.2	70.9	.72	82.0	81.3	NNW	0.6					
7 ,,	.757	.996	80.0	74.0	6.0	71.4	.76	80.3	81.2	,,	0.4					
8 ,,	.768	29.000	79.4	74.0	5.4	71.7	.78	80.0	81.1	,,	0.5					
9 ,,	.782	.012	79.2	74.0	5.2	71.8	.79	80.0	80.2	N b W	0.2					
10 ,,	.779	.012	78.8	73.8	5.0	71.6	.79	79.0	80.2	,,	0.0					
11 ,,	.768	28.995	77.7	73.6	4.1	71.8	.83	78.2	80.4	,,	0.2					
Mar 27th-Midnight	.759	.971	78.2	74.2	4.0	72.5	.83	78.6	80.7	N b W	0.1					
1 a. m.	.746	.955	78.3	74.3	4.0	72.6	.83	78.7	80.6	,,	0.2					
2 ,,	.731	.971	76.7	73.0	3.7	71.4	.84	77.2	80.4	,,	0.0					
3 ,,	.723	.950	76.2	73.2	3.0	71.9	.87	76.8	80.2	,,	0.1					
4 ,,	.732	.956	76.3	73.3	3.0	72.0	.87	76.7	80.0	,,	0.1					
5 ,,	.737	.999	75.4	72.0	3.4	70.5	.85	76.2	80.0	NNE	0.1					
6 ,,	.762	29.026	74.6	72.0	2.6	70.8	.89	76.0	79.9	,,	0.1	None.	None.	None.	None.	None.
7 ,,	.790	.061	76.2	72.0	4.2	70.1	.82	77.8	79.7	,,	0.1					
8 ,,	.811	.087	80.0	73.0	7.0	69.9	.72	80.6	80.0	N b E	0.1					
9 ,,	.812	.159	84.4	72.4	12.0	66.7	.57	83.6	80.5	N	0.3					
10 ,,	.799	.053	86.6	75.6	11.1	70.8	.61	85.3	80.9	N b W	0.2					
11 ,,	.777	28.993	86.7	76.5	10.2	72.3	.64	85.3	81.0	NNW	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
3	C	Small masses of light ≀≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 82°8.
2	L	Masses of light ≀≀ scattered here and there, moving S.	
4	L	Light ≀≀ scattered about, moving E.	
3	L	" " " "	
3	L	" " " "	
3	D	" " " "	
4	D	" " " "	
7	D	" " " "	
6	D	Densely clouded with ≀≀-like clouds, moving SE.	
4	C	" " " " "	
2	C	Dense fleecy clouds scattered around hor.	
1	L	" " " " "	
1	C	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	D	"	
0	D	"	
2	D	"	
3	C	Fleecy clouds scattered at intervals throughout.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 82°9.
6	L	Light ≀≀ and ≀≀ scattered throughout, the former moving ESE.	
6	L	Clouded as before, but the motion of ≀≀ was E.	
5	L	Clouds more dispersed than before.	
7	L	Densely clouded with ≀≀-like clouds.	
6	D	" " " "	
3	D	Fleecy clouds scattered about hor.	
0	D	A few clouds around hor.	
0	D	Light mist in hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	L	Hazy about hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	D	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°2.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	D	"	
0	D	Mist around hor.	
0	D	" "	
0	D	" "	
0	L	" "	
0	L	" "	
0	L	" "	

On the 25th the Morning Maximum of Barometer occurred a little earlier. At 11 A. M. the Barometer rose a little instead of falling.

On the 26th light breezes in the afternoon.

On the 27th, at 9 P. M., the Barometer fell a little instead of rising. Light breezes in the afternoon. At 3 P. M. the Reading of Barometer was 29.677, being 0.107 lower than the Normal Mean. The range of Air Temperature was highest on this day during the month.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 27th-Noon.	29.758	28.968	87°2	76°8	10°4	72°6	0.63	86°2	81°4	NNW	0.5					
1 p. m.	.726	.928	88.6	77.4	11.2	72.9	.61	87.2	81.8	NW b N	0.5					
2 „	.695	.930	88.8	76.6	12.2	71.6	.58	88.0	82.0	„	0.6					
3 „	.677	.916	88.0	76.3	11.7	71.4	.59	87.0	82.0	NW	0.7					
4 „	.681	.903	87.2	76.2	11.0	72.1	.64	87.0	82.4	„	0.2					
5 „	.702	.902	85.2	76.5	8.7	73.0	.68	84.2	82.3	„	0.6					
6 „	.721	.939	82.6	75.3	7.3	72.2	.72	82.6	82.0	„	0.2	None.	None.	None.	None.	None.
7 „	.739	.973	81.6	74.6	7.0	71.6	.73	81.6	81.9	NW b W	0.1					
8 „	.770	29.007	80.8	74.3	6.5	71.5	.74	81.4	81.8	„	0.0					
9 „	.767	.004	79.8	74.0	5.8	71.5	.77	80.0	81.7	„	0.0					
10 „	.780	.010	79.2	74.0	5.2	71.8	.79	80.0	81.5	„	0.0					
11 „	.777	.033	78.2	73.0	5.2	70.7	.78	79.6	81.4	„	0.0					
Mar 28th-Midnight	.771	.999	79.0	74.0	5.0	71.8	.80	80.0	81.3	NW b W	0.0					
1 a. m.	.764	.979	79.0	74.3	4.7	72.4	.82	80.0	81.0	NW b N	0.0					
2 „	.759	.994	78.6	73.7	4.9	71.6	.80	79.4	80.9	Calm.	0.0					
3 „	.748	29.009	77.2	72.6	4.6	70.5	.81	79.9	80.8	„	0.0					
4 „	.735	28.990	76.2	72.4	3.8	72.4	.83	77.0	80.5	„	0.0					
5 „	.756	.992	76.4	73.0	3.4	71.5	.86	76.7	80.4	„	0.0					
6 „	.793	29.001	77.2	74.0	3.2	72.7	.87	78.2	80.3	E b N	0.0					
7 „	.808	28.996	78.8	75.0	3.8	73.4	.84	79.8	80.4	NE b E	0.0					
8 „	.827	29.013	82.2	76.0	6.2	73.5	.76	82.4	80.7	„	0.0					
9 „	.833	.033	83.2	76.0	7.2	73.1	.72	82.4	81.0	SE	0.0					
10 „	.829	.007	85.0	77.0	8.0	73.8	.70	84.2	81.3	NW	0.1					
11 „	.810	28.999	86.0	77.0	9.0	73.4	.67	84.6	81.5	„	0.0	None.	None.	None.	None.	None.
Noon.	.787	.993	87.2	77.2	10.0	72.8	.64	85.8	81.8	„	0.2					
1 p. m.	.764	.954	88.2	77.6	10.6	73.3	.63	86.9	82.0	WNW	0.2					
2 „	.748	.932	89.2	78.0	11.2	73.6	.61	87.8	82.4	„	0.3					
3 „	.736	.959	89.8	77.2	12.6	72.0	.57	88.8	82.7	„	0.3					
4 „	.736	29.021	89.8	75.6	14.2	69.5	.53	88.4	82.8	W b N	0.2					
5 „	.749	.001	88.2	76.0	12.2	70.9	.57	87.3	82.7	„	0.1					
6 „	.761	28.978	85.0	76.0	9.0	72.3	.67	84.4	82.6	W b S	0.1					
7 „	.782	29.018	83.2	75.0	8.2	71.5	.68	83.0	82.4	„	0.0					
8 „	.812	.035	82.0	75.0	7.0	72.0	.73	82.4	82.3	W b N	0.0					
9 „	.825	.054	81.8	74.8	7.0	71.8	.73	82.2	82.2	NW b W	0.2					
10 „	.829	.048	80.6	74.7	5.9	72.2	.77	80.6	81.8	„	0.4					
11 „	.815	.035	79.8	74.2	5.6	71.8	.77	80.2	81.8	„	0.2					
Mar 29th-Midnight	.792	.050	79.6	73.4	6.2	70.6	.75	80.2	81.8	NW b W	0.1					
1 a. m.	.774	.037	78.8	73.0	5.8	70.4	.76	79.2	81.5	„	0.0					
2 „	.757	.018	78.6	73.0	5.6	70.5	.77	78.8	81.4	„	0.0					
3 „	.756	.019	77.8	72.7	5.1	70.4	.79	78.7	81.2	„	0.0					
4 „	.763	.015	77.8	73.0	4.8	70.9	.80	78.7	81.1	„	0.0					
5 „	.777	.020	77.8	73.0	4.8	70.6	.83	79.0	81.0	E b N	0.0					
6 „	.805	.024	78.2	74.0	4.2	72.2	.83	79.2	80.9	SE b E	0.1					
7 „	.836	.032	79.5	75.0	4.5	73.1	.82	80.1	80.9	„	0.1					
8 „	.863	.019	83.0	77.0	6.0	74.6	.77	83.2	81.1	„	0.1					
9 „	.865	.040	85.8	77.3	8.5	73.9	.66	84.4	81.7	„	0.2					
10 „	.874	.049	86.2	77.4	8.8	73.9	.67	84.8	82.0	SE	0.1					
11 „	.851	.018	87.6	78.0	9.6	74.1	.66	86.2	82.1	WSW	0.2	None.	None.	None.	None.	None.
Noon.	.826	28.994	89.0	78.2	10.8	74.1	.62	87.5	82.4	W	0.3					
1 p. m.	.800	.985	89.3	78.0	11.3	73.5	.61	87.7	82.6	WNW	0.5					
2 „	.775	.960	89.3	78.0	11.3	73.5	.61	87.7	82.8	„	0.3					
3 „	.759	.920	89.4	78.6	10.8	74.4	.63	88.0	83.0	„	0.5					
4 „	.750	.905	88.0	78.4	9.6	74.7	.66	86.9	83.0	„	0.6					
5 „	.757	.942	85.6	77.0	8.6	73.5	.68	84.7	83.0	NW b W	0.6					
6 „	.770	.924	82.8	77.0	5.8	74.7	.78	82.4	82.8	„	0.5					
7 „	.786	.946	81.2	76.4	4.8	74.5	.81	81.4	82.5	„	0.5					
8 „	.804	.961	80.5	76.3	4.2	74.6	.83	80.6	82.3	„	0.4					
9 „	.817	.979	80.0	76.0	4.0	74.4	.84	80.2	82.1	„	0.4					
10 „	.819	29.084	79.0	73.0	6.0	70.3	.76	80.0	82.0	„	0.2					
11 „	.806	.078	79.0	72.8	6.2	70.0	.75	79.6	81.7	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪∪ nimbi.	
0	L	Mist around hor.	27th March was the ninth cloudless day from the beginning of the year.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	L	" "	
0	L	Clear.	
0	L	"	
0	C	"	
0	D	"	
0	D	"	
0	D	"	
0	D	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 83°2.
0	C	"	On the 28th Wind blowing in a direct circular motion.
0	C	"	28th March was almost a cloudless day.
0	C	"	
0	C	"	
0	D	"	
0	D	"	
0	D	Mist in hor.	
0	D	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	D	" "	
0	D	A few streaks of ≀ above W hor.	
0	D	" " " "	
0	D	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 83°2.
0	L	" " "	On the 29th, at 10 P. M., the Temperature of Wet Bulb Thermometer fell 3°0 in one hour. Light breezes in the Evening. Wind blowing in a direct circular motion of 323 degrees in about four hours time.
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	D	A few patches of ≀≀ about E hor.	
0	D	A few patches of ≀≀ about NE, E, and SE hor.	
0	D	Dense fog along E hor.	
0	D	Patches of ≀≀ above SE and E hor.; fog in hor. as before.	
0	C	" " " " " " "	
0	C	" " " " " " "	
0	C	Clear.	
0	L	Haze in hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L		
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometres. Thermometer on the Ground.	Ground Thermometres. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Headings of Straws of Volta 1.	Electrical Instruments. Headings of Straws of Volta 2.	Interval of Time in recovering more than one degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Mar. 31st-Midnight	29.789	29.045	78°2	73°0	5°2	70°7	0.78	78°4	81°4	NW b W	0.0					
1 a. m.	.781	.050	78.0	72.6	5.4	70.2	.78	78.2	81.2	„	0.0					
2 „	.771	.016	77.2	73.0	4.2	71.2	.78	78.2	81.0	„	0.0					
3 „	.765	.043	76.8	72.0	4.8	69.8	.80	78.0	80.8	NNW	0.0					
4 „	.753	.024	76.2	72.0	4.2	70.1	.72	77.4	80.7	N	0.0					
5 „	.800	.105	76.0	71.0	5.0	68.6	.79	77.1	80.6	N b E	0.1					
6 „	.833	.105	76.3	72.0	4.3	70.0	.82	76.5	80.4	NNE	0.1					
7 „	.850	.143	78.2	72.0	6.2	69.1	.75	79.2	80.5	„	0.0		Pos.	8.0		1.20
8 „	.879	.239	81.0	71.0	10.0	66.1	.62	81.3	80.6	„	0.1		Pos.	4.0		Above 10m.
9 „	.886	.243	84.0	72.0	12.0	66.2	.57	83.8	80.9	N b E	0.1		Pos.	1.0		Above 10m.
10 „	.883	.222	86.4	72.0	14.4	67.1	.50	85.8	81.3	NE b N	0.1					
11 „	.852	.088	86.6	74.6	12.0	71.5	.58	86.2	81.8	NNW	0.4	None.			None.	
Noon.	.819	.078	87.7	75.7	12.0	70.6	.56	86.2	81.9	NW b N	0.5		Pos.	1.0		Above 10m.
1 p. m.	.813	.061	87.8	76.0	11.8	71.0	.59	86.6	82.0	NW	0.7					
2 „	.791	.058	87.4	75.4	12.0	70.2	.58	86.0	82.0	„	1.2					
3 „	.775	.069	86.8	74.5	12.3	69.1	.57	85.5	82.1	„	1.2					
4 „	.770	.082	86.6	74.0	12.6	68.3	.56	85.4	82.3	„	1.3					
5 „	.774	.068	85.0	74.0	11.0	69.1	.60	84.2	82.3	„	0.8					
6 „	.784	.049	82.4	74.0	8.4	70.3	.68	82.4	82.2	„	0.3		Pos.	0.5		Above 10m.
7 „	.804	.065	82.0	74.0	8.0	70.5	.69	82.2	82.0	„	0.8		Pos.	0.5		Above 10m.
8 „	.821	.110	81.2	73.0	8.2	69.3	.68	81.2	81.8	„	1.0		Pos.	0.5		Above 10m.
9 „	.820	.063	81.0	74.2	6.8	71.2	.73	80.7	81.7	„	0.5		Pos.	0.5		Above 10m.
10 „	.859	.080	80.4	74.0	5.8	72.1	.77	80.6	81.7	NW b N	0.3					
11 „	.844	.045	80.0	75.0	5.0	73.0	.80	80.2	81.6	NNW	0.0					
Apr. 1st-Midnight	.824	.031	79.9	74.8	5.1	72.7	.80	80.2	81.5	NW b N	0.5					
1 a. m.	.831	.034	79.4	74.8	4.6	72.9	.81	79.4	81.4	NNW	0.4					
2 „	.817	.034	78.0	74.0	4.0	72.3	.83	78.4	81.3	N	0.3					
3 „	.808	.020	78.2	74.2	4.0	72.5	.83	78.6	81.5	N b W	0.4					
4 „	.798	.037	78.6	73.6	5.0	71.4	.80	78.9	81.3	NNW	0.6					
5 „	.831	.039	78.6	74.4	4.2	72.7	.83	78.6	81.1	„	0.3					
6 „	.838	.122	77.4	72.0	5.4	69.5	.78	78.2	80.9	N	0.1					
7 „	.876	.163	77.6	72.0	5.6	69.4	.77	78.3	80.6	NNW	0.1					
8 „	.897	.229	81.7	72.0	9.7	67.4	.63	82.2	81.0	N b W	0.1					
9 „	.906	.286	84.4	71.5	12.9	65.1	.54	83.8	81.3	N	0.1					
10 „	.900	.187	87.2	74.8	12.4	69.4	.57	86.7	81.7	NNW	0.2					
11 „	.886	.123	89.3	76.7	12.6	71.5	.57	88.2	82.2	„	0.4	None.			None.	
Noon.	.864	.040	89.9	78.4	11.5	73.9	.61	88.2	82.5	NW b N	0.6					
1 p. m.	.818	28.965	89.6	79.0	10.6	75.0	.63	88.5	82.3	NNW	0.7					
2 „	.790	.951	89.9	78.7	11.2	74.4	.62	88.6	83.2	„	1.3					
3 „	.759	.908	89.8	79.0	10.8	75.1	.63	89.0	83.3	„	1.5					
4 „	.748	.924	88.5	78.0	10.5	73.9	.63	88.2	83.2	„	1.3					
5 „	.745	.984	87.0	76.0	11.0	71.4	.61	86.7	83.3	„	0.8					
6 „	.766	.989	85.4	76.0	9.4	72.1	.65	84.5	83.1	„	0.7					
7 „	.771	29.065	85.0	74.0	11.0	69.1	.60	84.4	83.0	„	1.5					
8 „	.794	.130	85.4	73.0	12.4	67.2	.55	85.2	82.8	„	1.8					
9 „	.816	.135	85.2	73.4	11.8	68.0	.58	84.7	83.1	N b E	0.1		Pos.	0.5		Above 10m.
10 „	.828	.042	84.0	75.8	8.2	72.4	.69	83.7	82.9	N	0.3		Pos.	0.5		Above 10m.
11 „	.816	28.973	83.1	77.0	6.1	74.6	.76	83.0	82.9	NNE	0.4					
Apr. 2nd-Midnight	.802	.939	82.0	77.2	4.8	75.3	.81	82.2	82.7	NNW	0.3					
1 a m.	.783	.921	81.4	77.0	4.4	75.3	.82	82.2	82.7	„	0.3					
2 „	.775	.916	81.0	76.8	4.2	75.1	.83	81.6	82.5	N b W	0.1					
3 „	.779	.928	80.6	76.5	4.1	74.9	.83	81.2	82.5	„	0.1					
4 „	.775	.965	79.0	75.0	4.0	73.3	.84	79.8	82.4	„	0.1					
5 „	.782	29.005	78.5	74.0	4.5	72.0	.82	79.7	82.0	„	0.1					
6 „	.805	28.986	78.2	75.0	3.2	73.7	.87	79.5	82.0	N	0.1	None.	None.	None.	None.	None.
7 „	.833	.971	81.4	77.0	4.4	75.3	.82	82.4	81.9	ENE	0.1					
8 „	.872	.968	85.0	79.0	6.0	76.8	.77	84.5	82.3	ESE	0.1					
9 „	.883	.969	86.4	79.6	6.8	77.1	.75	85.0	82.6	„	0.0					
10 „	.876	.916	87.6	81.0	6.6	78.7	.76	86.4	83.0	WNW	0.1					
11 „	.866	.910	88.0	81.0	7.0	78.5	.74	87.0	83.1	NW	0.1					

Amount of Cloud 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
0	C	Hazy around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°3.
0	C	" "	
0	C	" "	
0	D	" "	
0	D	" "	
0	D	A few patches of ≀≀ scattered about hor.	
5	D	≀≀ scattered about.	
3	D	≀≀ scattered about hor.; hazy around hor.	
4	D	≀≀ and light fleecy clouds scattered about; haze in hor.	
1	D	≀≀ scattered from SW to N and E hor.; haze in remainder of hor.	
0	D	A few fragments of fleecy clouds scattered from SW to N hor.	
0	C	A few fragments of fleecy clouds scattered about zth.	
0	C	A few fragments of clouds above SW hor.	
0	L	A few fragments of fleecy clouds above NW and E hor.; mist in hor.	
0	L	Mist around hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	D	" "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 83°3.
0	C	" "	
2	C	Patches of ≀≀ scattered about, moving E.	
3	C	" " " " "	
3	C	≀≀ scattered above hor. from NE to S.	
6	C	≀≀ above hor. from NW to S.	
4	D	≀≀-like clouds scattered about; fog along E hor.	
7	D	Densely clouded with light ≀≀, moving NE; fog along E hor.	
5	D	≀≀ scattered about; light mist in hor.	
5	L	" " " "	
2	L	" " " "	
3	L	" " " "	
2	L	" " " "	
4	C	Fragments of fleecy clouds scattered about.	
1	C	Fleecy clouds above hor. from NE to S.	
0	C	" " " " "	
0	C	A few patches of fleecy clouds about zth., moving S.	
0	D	A few fragments of clouds around hor.	
3	D	Fleecy clouds around hor., and ≀ scattered about.	
1	D	Fleecy clouds scattered around hor.; fresh breezes of wind.	
0	D	Clear, except in hor.; fresh breezes of wind.	
0	L	A few fragments of clouds above S hor.	
0	L	" " " " "	
0	L	Clear.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°3.
0	C	"	
2	C	A few patches of ≀≀ scattered about, moving E.	
2	C	" " " " " "	
0	D	Clear.	
0	D	≀≀ scattered around hor.	
1	D	≀≀ scattered about.	
3	D	≀≀ scattered about; fog along E hor.	
1	D	Patches of ≀≀ scattered about zth.; fog as before along E hor.	
1	L	" " " " " " "	
1	L	Patches of ≀≀ scattered about hor.	
2	L	≀≀ scattered about, moving NE.	

On the 31st fresh breezes blowing in the afternoon, Maximum Pressure being 1.3 lb. Maximum Tension of Electricity was 8 Scale divisions by Volta No. 1.

On the 1st fresh breezes blowing in the afternoon, Maximum Pressure being 1.8 lb. At 1 A. M. the Barometer rose a little instead of falling; the second Minimum of the same occurred a little later. At 10 A. M. the Temperature of Wet Bulb Thermometer rose 3°3 in one hour.

On the 2nd, at 3 A. M., the Standard Barometer rose a little instead of falling. The second Maximum of Standard Barometer happened a little later. Wind blowing in a direct circular motion. At 3 P. M. the Temperature of Air was 92°0, being 1°1 higher than the Normal Mean.

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for the same degrees of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 2nd–Noon.	29.841	29.043	89°4	80°0	9°4	76°6	0.67	88°2	83°4	NW b W	0.2					
1 p. m.	.808	28.929	91.2	80.0	11.2	75.9	.62	88.6	83.8	WSW	0.2					
2 „	.775	.912	91.8	79.8	12.0	75.3	.60	90.2	84.2	W	0.2					
3 „	.765	.938	92.0	79.0	13.0	74.0	.57	90.2	84.4	NW b W	0.3					
4 „	.752	.929	91.4	78.8	12.6	73.8	.57	90.0	84.4	NW	0.1					
5 „	.760	.953	90.0	78.0	12.0	73.2	.59	88.6	84.5	„	0.1	None.	None.	None.	None.	None.
6 „	.772	.948	86.7	77.5	9.2	73.9	.67	86.2	84.3	NW b W	0.0					
7 „	.797	.970	84.5	77.0	7.5	74.0	.72	84.4	84.0	WNW	0.0					
8 „	.820	.987	84.0	77.0	7.0	74.2	.74	84.0	83.8	SSW	0.0					
9 „	.845	.930	84.0	79.0	5.0	77.2	.71	83.9	83.7	S	0.2					
10 „	.859	.906	83.2	79.7	3.5	78.4	.86	83.5	83.6	SSW	0.1					
11 „	.861	.924	82.7	79.2	3.5	77.9	.86	82.7	83.5	SW	0.1					
Apr. 3rd-Midnight	.844	.945	81.6	78.0	3.6	76.6	.86	82.2	83.4	SSW	0.0					
1 a. m.	.828	.933	81.2	77.8	3.4	76.5	.86	82.0	83.2	S	0.2					
2 „	.818	.918	80.8	77.8	3.0	76.6	.88	81.8	83.2	S b W	0.1					
3 „	.806	.896	80.6	78.0	2.6	77.0	.89	81.8	83.1	S	0.1					
4 „	.810	.878	80.6	78.5	2.1	77.7	.90	81.2	83.0	„	0.1					
5 „	.813	.898	80.2	78.0	2.2	77.2	.91	81.0	82.9	„	0.1					
6 „	.881	.868	80.4	78.0	2.4	77.1	.90	81.3	82.8	S b E	0.1					
7 „	.904	29.011	82.2	78.0	4.2	76.4	.83	82.4	82.9	SSE	0.1					
8 „	.925	.013	84.3	79.0	5.3	77.1	.79	84.5	83.0	S b E	0.0					
9 „	.924	28.963	87.2	80.9	6.3	78.7	.77	86.2	83.3	„	0.2					
10 „	.922	.999	88.3	80.3	8.0	77.4	.71	86.6	83.5	S b W	0.2					
11 „	.909	29.002	88.2	79.9	8.3	76.9	.70	86.8	83.6	SSW	0.1	None.	None.	None.	None.	None.
Noon.	.881	28.951	89.6	80.8	8.8	77.7	.70	88.2	83.9	SW b W	0.2					
1 p. m.	.828	.922	90.4	80.4	10.0	76.8	.65	88.8	84.4	SW	0.4					
2 „	.795	.884	90.8	80.9	9.9	77.0	.66	89.4	84.5	WSW	0.4					
3 „	.775	.855	91.0	80.9	10.1	77.3	.65	89.4	84.6	W b S	0.3					
4 „	.772	.912	89.0	79.0	10.0	75.2	.65	87.8	84.5	W b N	0.4					
5 „	.783	.939	86.6	78.0	8.6	74.6	.68	86.2	84.4	WNW	0.1					
6 „	.791	.958	84.0	77.0	7.0	74.2	.74	84.0	84.2	„	0.1					
7 „	.808	.962	82.8	77.0	5.8	74.7	.77	82.5	83.9	„	0.1					
8 „	.834	.981	82.2	77.0	5.2	75.0	.80	82.2	83.8	„	0.1					
9 „	.849	29.009	81.6	76.5	5.1	74.5	.80	81.9	83.5	„	0.0					
10 „	.859	.021	81.4	76.4	5.0	74.4	.80	81.6	83.4	„	0.1					
11 „	.868	.038	81.1	76.1	5.0	74.1	.80	81.4	83.3	„	0.1					
Apr. 4th-Midnight	.865	.040	80.4	75.8	4.6	73.9	.82	80.7	83.1	W b N	0.0					
1 a. m.	.864	.043	79.4	75.4	4.0	73.8	.83	80.2	83.0	„	0.0					
2 „	.850	.015	79.4	76.0	3.4	74.3	.86	80.2	82.8	SW	0.0					
3 „	.844	.027	79.0	75.2	3.8	73.6	.84	79.9	82.7	S b E	0.0					
4 „	.843	28.994	79.0	76.0	3.0	74.8	.87	79.9	82.5	SSE	0.1					
5 „	.867	29.022	79.4	76.0	3.4	74.7	.86	80.0	82.4	SE b S	0.1					
6 „	.898	.021	80.0	77.0	3.0	75.8	.88	80.8	82.4	„	0.1					
7 „	.933	.027	81.0	78.0	3.0	76.8	.88	81.7	82.5	SSE	0.1					
8 „	.966	.051	84.0	79.0	5.0	77.2	.81	84.2	82.6	„	0.1					
9 „	.972	.029	86.5	80.3	6.2	78.1	.77	85.2	83.0	„	0.1					
10 „	.974	.068	87.1	79.6	7.5	76.8	.72	85.4	83.2	S b E	0.2					
11 „	.966	.063	88.2	79.8	8.4	76.7	.70	86.8	83.4	SSW	0.1	None.			None.	
Noon.	.931	.041	89.0	79.7	9.3	76.3	.67	87.2	83.5	WSW	0.2					
1 p. m.	.886	.074	89.5	78.0	11.5	73.4	.61	89.0	83.8	NW b W	0.2					
2 „	.847	.021	89.8	78.4	11.4	74.0	.61	88.1	84.0	NW	0.3					
3 „	.829	.018	88.6	78.6	10.0	73.4	.65	87.2	84.0	„	0.3					
4 „	.810	.023	88.2	77.0	11.2	72.5	.61	86.4	83.9	„	0.3					
5 „	.816	.040	85.6	76.0	9.6	72.0	.65	84.8	83.9	NW b N	0.5					
6 „	.824	28.983	83.3	77.0	6.3	74.5	.76	83.2	83.7	„	0.2					
7 „	.834	.981	82.2	77.0	5.2	75.0	.79	82.0	83.6	NNW	0.4					
8 „	.855	29.078	82.0	75.0	7.0	72.0	.73	82.0	83.3	„	0.3					
9 „	.869	.090	81.8	75.0	6.8	72.1	.74	81.9	83.1	„	0.1		Pos.	1.0		2.0
10 „	.869	.074	81.8	75.4	6.4	72.8	.75	81.7	83.0	„	0.6					
11 „	.860	.074	81.2	75.0	6.2	72.4	.76	81.4	83.0	„	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
3	L	≀≀ scattered about, moving NE.	At 10 and 11 A. M. the Temperature of the Wet Bulb Thermometer was 81°0, being about 2°1 and 1°6 higher than the Normal Mean.
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	D	"	
0	D	Patches of ≀≀ above hor. from W to N.	
0	D	≀≀ scattered along W hor.	
0	D	Clear.	
0	L	"	
0	L	"	
0	L	≀≀ scattered about.	
1	L	Patches of ≀≀ scattered around hor., and a few about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°3.
0	C	Clear, except in hor.	
2	C	≀≀ scattered in E hem.; dew falling.	
2	C	" " " "	On the 3rd the Morning Maximum of Barometer occurred a little earlier, and the Evening Maximum later than usual. At 9 A. M. the Temperature of Dew-Point was 78°7, being 3°6 higher than the Normal Mean.
0	C	Clear, except in hor.	
3	D	≀≀ and a few lumps of fleecy clouds scattered about.	
5	D	" " " " " "	
4	D	≀≀ and fleecy clouds scattered about, the latter moving NE; fog along E hor.	
5	D	Fleecy clouds scattered about, moving NE.	
3	L	" " " " "	
2	L	≀≀ around hor., and fleecy clouds scattered about.	
2	L	≀≀ scattered about hor. from E to SW, and ≀≀ above SE hor.	
2	L	≀≀ scattered about hor. from SW to NE.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	D	A few patches of ≀≀ in E and SE hor.	
0	D	" " " "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°3.
0	C	"	
0	C	A few patches of ≀≀ scattered here and there.	
0	C	A few patches of ≀≀ scattered about zth.	
2	C	Detached pieces of ≀≀ scattered about zth.	
2	D	≀≀ scattered about, except around hor.	
2	D	Dense ≀≀ scattered about.	
5	D	Dense fleecy clouds scattered about, moving NE.	
3	D	Fleecy clouds scattered about sky, and also rather densely around hor.	
2	L	Fleecy clouds scattered about hor., moving N.	
2	L	Patches of fleecy clouds scattered about, moving N.	
2	L	Patches of fleecy clouds scattered about, moving E.	
1	L	Fragments of fleecy clouds scattered around hor.	
1	C	A few fragments of fleecy clouds above E hor.	
1	C	" " " " "	
1	C	Fragments of fleecy clouds above NE hor.	
0	C	Cloudless.	
0	D	A few patches of ≀≀ in NE.	
2	D	Patches of ≀≀ dispersed about E hem.	
1	D	Patches of ≀≀ scattered about E hor.	
0	D	" " " "	
0	L	A few patches of ≀≀ above the E, SE, S, and SW hor.	
0	L	≀≀ scattered above hor. from E to NW.	
1	L	≀≀ above hor. from NE to SW.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 5th-Midnight	29.841	29.059	80°9	74°8	6°1	72°2	0.76	81°0	82°8	NNW	1.5					
1 a. m.	.828	.026	80.4	75.2	5.2	73.0	.81	80.2	82.8	„	1.7					
2 „	.824	28.992	79.8	75.5	4.3	74.2	.83	80.0	82.6	„	1.0					
3 „	.809	29.025	79.0	74.4	4.6	72.3	.81	79.2	82.5	N	0.3					
4 „	.814	.031	78.0	74.0	4.0	72.3	.83	78.2	82.1	N b E	0.2					
5 „	.815	.088	77.0	72.5	4.5	70.0	.82	77.2	82.0	NNE	0.1					
6 „	.864	.087	77.0	70.0	7.0	72 0	.71	78.0	81.6	„	0.1					
7 „	.875	.179	79.2	72.0	7.2	68.6	.71	80.0	81.5	„	0.1					
8 „	.899	.137	83.4	75.0	8.4	71.4	.68	83.2	82.0	N	0.2					
9 „	.922	.131	85.7	76.4	9.3	72.6	.66	84.5	82.3	N b W	0.2					
10 „	.930	.090	87.0	78.0	9.0	74.5	.67	85.2	82.7	NNW	0.1					
11 „	.913	.024	88.3	79.5	8.8	76.3	.69	86.8	83.0	NW	0.2					
Noon.	.885	.001	87.6	79.2	8.4	76.1	.70	85.9	83.0	„	0.6	None.	None.	None.	None.	None.
1 p. m.	.857	28.928	87.6	80.3	7.3	77.6	.74	86.4	83.2	„	0.5					
2 „	.815	.879	88.2	80.7	7.5	77.8	.73	86.2	83.5	„	0.6					
3 „	.807	.863	87.9	80.8	7.1	78.1	.74	86.2	83.6	NW b W	0.3					
4 „	.784	.850	87.4	80.4	7.0	77.8	.74	86.2	83.6	„	0.3					
5 „	.782	.846	86.9	80.0	6.9	77.9	.78	85.0	83.5	„	0.6					
6 „	.791	.861	83.4	79.2	4.2	77.7	.83	83.2	83.5	„	0.4					
7 „	.807	.876	82.2	78.9	3.3	77.7	.87	82.2	83.3	„	0.5					
8 „	.815	.887	81.7	78.7	3.0	77.6	.88	81.9	83.1	„	0.2					
9 „	.823	.882	81.6	79.0	2.6	78.0	.89	81.8	83.0	„	0.8					
10 „	.825	.886	81.4	78.9	2.5	78.0	.90	81.6	83.0	„	0.6					
11 „	.821	.874	81.1	79.0	2.1	78.2	.91	81.2	83.0	„	1.5					
Apr. 7th-Midnight	.811	.020	81.1	75.1	6.0	72.6	.76	81.2	82.9	NW b N	0.5					
1 a. m.	.797	.007	80.8	75.0	5.8	72.6	.76	81.2	82.8	„	0.7					
2 „	.782	.010	80.4	74.4	6.0	71.4	.76	81.0	82.7	NNW	0.2					
3 „	.771	28.999	79.0	74.0	5.0	71.8	.83	79.2	82.5	N b E	0.0					
4 „	.777	.999	78.4	74.0	4.4	72.1	.82	78.8	82.2	NNE	0.0					
5 „	.766	29.020	78.0	73.0	5.0	70.8	.79	78.2	82.1	„	0.0					
6 „	.805	.052	77.4	73.0	4.4	71.1	.82	78.7	82.0	„	0.1					
7 „	.836	.112	80.0	73.0	7.0	69.9	.72	80.2	81.7	„	0.1					
8 „	.863	.148	84.3	74.0	10.3	69.5	.62	83.7	82.2	N b E	0.1					
9 „	.885	.171	86.0	74.5	11.5	69.4	.59	84.6	82.5	NW b N	0.1		Pos.	0.5		Above 10m.
10 „	.883	.133	88.0	76.0	12.0	71.0	.58	86.7	82.7	„	0.2		Pos.	2.0		2.0
11 „	.867	.064	89.2	77.7	11.5	73.1	.60	87.6	83.0	„	0.3					
Noon.	.841	28.971	89.7	79.4	10.3	75.6	.64	87.6	83.3	NW b W	0.4	None.			None.	
1 p. m.	.802	.938	90.2	79.4	10.8	75.4	.63	88.6	83.7	WNW	0.4					
2 „	.767	.909	90.4	79.8	10.6	75.9	.64	88.6	83.9	NW b W	0.5					
3 „	.752	.837	89.4	80.4	9.0	77.2	.68	87.9	84.0	„	0.4					
4 „	.730	.820	87.5	79.8	7.7	77.0	.72	86.2	83.7	„	0.3		Pos.	0.5		
5 „	.755	.854	85.3	79.0	6.3	76.7	.76	84.2	83.7	„	0.2		Pos.	0.5		
6 „	.777	.890	83.4	78.0	5.4	75.9	.79	82.5	83.5	NW	0.1		Pos.	0.5		
7 „	.794	.930	81.2	77.0	4.2	75.4	.83	81.8	83.2	„	0.1		Pos.	0.7		
8 „	.806	.976	80.7	76.0	4.7	74.1	.81	80.4	83.1	„	0.0		Pos.	0.5		
9 „	.810	.925	80.4	77.3	3.1	76.1	.87	80.8	83.0	„	0.1		Pos.	3.0		3.0
10 „	.815	.918	80.0	77.5	2.5	76.5	.90	80.2	82.8	„	0.1					
11 „	.806	.942	79.8	76.6	3.2	75.4	.88	79.8	82.6	„	0.2		Pos.	5.0		2.0
Apr. 8th-Midnight	.791	.960	79.4	77.0	2.4	76.1	.91	80.0	82.5	NW	0.2		Pos.	7.0		2.0
1 a. m.	.776	.959	79.0	77.7	1.3	77.2	.94	79.8	82.5	„	0.1		Pos.	7.0		2.0
2 „	.757	.919	78.8	76.0	2.8	74.4	.87	79.7	82.4	„	0.3		Pos.	5.5		2.40
3 „	.747	.898	78.4	76.0	2.4	74.8	.90	79.2	82.3	„	0.0		Pos.	9.0		2.30
4 „	.746	.891	78.2	76.0	2.2	75.0	.91	79.2	82.2	„	0.0		Pos.	4.0		10.0
5 „	.753	.890	77.7	76.0	1.7	75.3	.93	78.2	82.1	„	0.0		Pos.	2.0		Above 10m.
6 „	.767	.907	78.0	76.0	2.0	75.2	.92	78.4	82.0	„	0.1	None.	Pos.	2.0	None.	Above 10m.
7 „	.791	.914	80.0	77.0	3.0	75.8	.88	78.7	82.1	„	0.1		Pos.	12.0		0.12
8 „	.816	.936	83.4	78.0	5.4	75.9	.79	83.2	82.3	ENE	0.1		Pos.	12.0		0.07
9 „	.820	.956	84.4	77.9	6.5	75.4	.75	83.4	82.5	E b S	0.1		Pos.	9.0		4.20
10 „	.871	.957	86.1	78.1	8.0	75.0	.70	84.2	82.6	„	0.1		Pos.	1.0		4.20
11 „	.801	.926	87.6	79.0	8.6	75.8	.69	86.2	82.9	SE	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ni cirri; Mi cirro-cumuli; Ci cumuli; Li cirro-strati; Cumi cumulo-strati; and Mi nimbi.	
0	L	A few patches of Mi above E and SW hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°3 and 83°5.
0	C	A few patches of Mi above E and S hor.	
0	C	" " " " "	
0	C	" " " " "	
2	C	Mi dispersed about N and NE hor.	
3	C	Mi dispersed in E hem.	
0	D	Fragments of Mi dispersed along E hor. [SE hor.	
1	D	Clouded about E hor. as before; mist from S to N hor., and fog in NE, E, and	
1	D	Pieces of Mi in E, SE, and S; mist and fog in hor. as before.	
1	L	" " " " " " "	
0	L	Cloudless.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	L	"	
0	L	Mist around hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°7 and 83°6.
0	C	" "	
0	C	A few lumps of fleecy clouds in E.	
0	C	" " " "	
0	C	Fragments of fleecy clouds dispersed in E hem.	
0	D	" " " " "	
0	D	Clear, except in hor.	
0	D	Mist from SW to N hor., and fog from NE to SE hor.	
0	D	" " " " " "	
0	L	Mist around hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
2	L	Fleecy clouds dispersed about.	
2	L	" " " "	
3	L	Fleecy clouds dispersed about, except in zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°9 and 83°7.
3	C	" " " " "	
1	C	Fleecy clouds scattered about hor.	
2	C	" " " "	
3	C	Fleecy clouds scattered in E and about hor.	
5	D	Fleecy clouds dispersed about.	
6	D	" " " "	
5	D	Fleecy clouds dispersed about, moving NE.	
2	D	Fragments of fleecy clouds around hor.	
1	L	Fleecy clouds scattered about hor. from SW to E, moving S.	
0	L	A few lumps of fleecy clouds about N hor., moving S.	
0	L	A few fragments of fleecy clouds above NE hor.	

On the 5th fresh breezes blowing about midnight, Maximum Pressure 1.7 lb. At 6 A. M. the Temperature of the Wet Bulb Thermometer fell 2°5 in one hour, and at 7 and 8 A. M. it rose 2°0 and 3°0 respectively in one hour. At 5 and 6 A. M. the lowest Temperature of Air in the month. At 6 A. M. the Temperature of Evaporation was 70°0, being the lowest in the month.

On the 7th, at 4 A. M., the Barometer rose a little instead of falling, Maximum Tension was 5 Scale Divisions by Volta No. 1.

On the 8th the second Maximum of Barometer occurred a little later, and which was 0.111 lower than the first Maximum. Maximum Tension was 12 Scale Divisions by Volta No. 1; wind blowing in a direct circular motion.

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 8th—Noon.	29.785	29.889	89°2	79°9	9°3	76°5	0.67	87°5	83°2	W b S	0.3		Pos.	4.0		2.0
1 p. m.	.751	.839	90.2	80.5	9.7	77.1	.67	88.4	83.6	W	0.2		Pos.	3.4		2.0
2 „	.721	.797	91.0	81.0	10.0	77.5	.66	89.5	84.0	W b N	0.2		Pos.	12.0		1.40
3 „	.710	.806	90.2	80.4	9.8	76.8	.66	88.4	84.2	WNW	0.2		Pos.	2.7		Above 10m.
4 „	.698	.794	89.6	80.2	9.4	76.8	.68	88.2	84.2	„	0.1					
5 „	.706	.792	87.2	79.8	7.4	77.1	.73	86.2	84.1	„	0.1	None.	Pos.	0.5	None.	Above 10m.
6 „	.717	.844	84.0	78.0	6.0	75.7	.77	83.8	84.0	„	0.1		Pos.	1.0		Above 10m.
7 „	.737	.846	82.4	78.0	4.4	76.3	.83	82.2	83.7	„	0.0					
8 „	.754	.879	81.7	77.4	4.3	75.8	.83	82.0	83.4	„	0.0					
9 „	.758	.878	81.2	77.4	3.8	75.9	.85	81.4	83.2	„	0.1					
10 „	.759	.868	80.6	77.5	3.1	76.3	.87	80.8	83.1	„	0.2		Pos.	1.0		0.02
11 „	.760	.871	80.4	77.4	3.0	76.3	.88	81.0	83.0	NW b W	0.1					
Apr. 9th—Midnight	.743	28.875	79.8	76.8	3.0	75.6	.88	80.2	82.9	NW b W	0.0					
1 a. m.	.725	.883	79.6	76.0	3.6	74.6	.85	80.2	82.8	Calm.	0.0					
2 „	.708	.861	79.2	76.0	3.2	74.7	.86	80.0	82.6	„	0.0					
3 „	.699	.871	78.8	75.4	3.4	74.0	.86	79.2	82.6	„	0.0					
4 „	.719	.898	78.0	75.0	3.0	73.8	.87	78.6	82.4	„	0.0					
5 „	.728	.900	77.4	75.0	2.4	74.0	.90	78.0	82.4	„	0.0					
6 „	.733	.913	77.2	75.0	2.2	74.1	.91	78.0	82.3	„	0.0					
7 „	.766	.917	79.0	76.0	3.0	74.8	.88	79.8	82.2	„	0.0					
8 „	.790	.891	81.6	78.0	3.6	76.6	.85	82.0	82.1	„	0.0					
9 „	.813	.968	84.0	77.3	6.7	74.7	.74	82.9	82.5	SW b S	0.0					
10 „	.812	.957	85.6	78.0	7.6	75.0	.72	84.2	82.6	SW	0.1					
11 „	.803	.949	87.7	78.5	9.2	75.0	.67	86.0	82.9	W b S	0.2	None.	None.	None.	None.	None.
Noon.	.779	.905	88.8	79.3	9.5	75.7	.66	87.2	83.2	W	0.1					
1 p. m.	.745	.856	90.3	80.0	10.3	76.3	.64	88.5	83.6	W b S	0.2					
2 „	.725	.827	91.2	80.2	11.0	76.6	.65	89.4	84.1	„	0.1					
3 „	.713	.818	91.3	80.4	10.9	76.5	.63	89.8	84.3	„	0.1					
4 „	.703	.813	90.2	80.2	10.7	76.3	.63	89.6	84.4	„	0.1					
5 „	.705	.796	88.4	80.0	8.4	76.9	.69	87.4	84.3	W	0.1					
6 „	.718	.833	84.8	78.5	6.3	76.1	.76	84.2	84.0	„	0.1					
7 „	.752	.870	83.2	78.0	5.2	76.0	.80	83.0	83.8	W b N	0.1					
8 „	.773	.881	82.3	78.0	4.3	76.4	.83	82.4	83.6	„	0.0					
9 „	.789	.889	81.6	78.0	3.6	76.6	.85	82.0	83.5	„	0.0					
10 „	.790	.870	81.2	78.4	2.8	77.3	.89	81.5	83.3	„	0.1					
11 „	.790	.871	80.9	78.3	2.6	77.3	.89	81.4	83.2	„	0.1					
Apr. 10th—Midnight	.774	28.872	80.6	77.8	2.8	76.7	.89	81.2	83.1	W b N	0.1					
1 a. m.	.763	.880	80.2	77.2	3.0	76.0	.88	80.6	83.0	„	0.2					
2 „	.744	.864	79.7	77.0	2.7	75.9	.88	80.2	83.0	„	0.1					
3 „	.734	.874	79.2	76.7	2.5	75.2	.90	79.2	82.8	„	0.0					
4 „	.738	.895	78.4	75.7	2.7	74.6	.89	79.4	82.6	„	0.0					
5 „	.758	.900	78.2	76.0	2.2	75.1	.91	78.6	82.2	WNW	0.0					
6 „	.777	.917	78.0	76.0	2.0	75.2	.92	78.4	82.1	„	0.0					
7 „	.793	.924	80.7	77.0	3.7	75.5	.87	81.2	82.2	„	0.1					
8 „	.811	.938	84.0	78.0	6.0	75.7	.77	84.0	82.6	N b W	0.1					
9 „	.813	.918	85.6	78.7	6.9	76.5	.74	84.4	82.8	NW b N	0.1					
10 „	.813	.929	86.8	79.0	7.8	76.1	.71	85.2	83.0	NW b W	0.2					
11 „	.800	.893	87.8	79.8	8.0	76.9	.71	86.2	83.3	WNW	0.2	None.	None.	None.	None.	None.
Noon.	.781	.871	88.6	80.1	8.5	77.0	.70	87.2	83.5	NW	0.4					
1 p. m.	.744	.842	89.4	80.1	9.3	76.7	.67	87.4	83.8	NW b W	0.3					
2 „	.723	.816	89.7	80.3	9.4	76.9	.67	88.2	84.0	WNW	0.5					
3 „	.705	.800	89.5	80.2	9.3	76.8	.67	87.8	84.2	NW	0.3					
4 „	.694	.805	88.2	79.5	8.7	76.3	.69	86.4	84.2	„	0.4					
5 „	.695	.795	85.4	79.0	6.4	76.3	.76	86.0	84.1	„	0.7					
6 „	.716	.832	83.2	78.0	5.2	76.0	.80	83.0	83.7	„	0.8					
7 „	.721	.866	82.0	77.0	5.0	75.0	.80	82.2	83.5	„	1.0					
8 „	.742	.884	81.7	77.0	4.7	75.1	.81	82.0	83.3	NW b N	1.2					
9 „	.753	.894	81.6	77.0	4.6	75.2	.82	81.6	83.4	„	1.0					
10 „	.753	.911	81.1	76.4	4.7	74.6	.81	81.2	83.2	„	1.8					
11 „	.766	.977	81.1	75.0	6.1	72.6	.76	81.2	83.1	„	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
0	L	A few clouds around hor., moving E.	
0	C	A few lumps of fleecy clouds in E and SW.	
0	C	A few clouds about E hor.	
0	C	" " "	
0	C	Cloudless.	
0	C	"	
0	D	A few clouds about N and NW hor.	
0	D	Clear, except in hor.	
0	D	A few clouds about N and NW hor.	
0	L	Clear, except in hor.	
0	L	A few fragments of fleecy clouds around hor.	
3	L	Fleecy clouds scattered about, moving S.	
3	L	Dense fleecy clouds scattered about, moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°1 and 83°8. On the 9th, from 9 to 11 P. M., Barometer was steady.
2	C	Small masses of fleecy clouds in E and S; dew falling.	
2	C	" " " " " "	
1	C	Small masses of fleecy clouds dispersed about zth.; dew falling.	
1	C	" " " " " " "	
1	D	Fragments of fleecy clouds around hor.; dew falling.	
3	D	Fleecy clouds scattered about, moving NE.	
3	D	" " " " "	
4	D	" " " " "	
3	L	" " " " " ; mist around hor.	
2	L	Fleecy clouds dispersed in E hem., and a few fragments in W above hor.	
0	L	A few fragments of fleecy clouds in NE; mist around hor.	
0	L	Mist around hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Clear, except in hor.	
0	D	A few fragments of fleecy clouds above E hor.	
0	D	" " " " "	
0	D	A few fragments of clouds in E and about zth.	
0	C	Clear, except in hor.	
0	C	Small masses of fleecy clouds in W, moving E.	
2	L	Fleecy clouds scattered around hor.	
3	L	Fleecy clouds scattered about, moving E.	
2	L	Masses of fleecy clouds scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°1 and 83°8. On the 10th the Evening Maximum of Barometer happened a little later. Fresh breezes at night, Maximum Pressure 1.81b.
2	L	" " " " " "	
1	C	Small patches of fleecy clouds in E.	
2	C	" " " "	
1	C	Fragments of fleecy clouds about E hor.	
3	D	Masses of fleecy clouds scattered about.	
1	D	Fragments of fleecy clouds along E and SE hor.; fog in NE, E, and SE hor.	
1	D	Fragments of fleecy clouds around hor.; fog in hor. as before.	
1	D	" " " " " " "	
0	L	A few fragments of clouds above the NE and E hor.; haze around hor.	
0	L	Mist around hor.	
0	L	A few fragments of fleecy clouds above SE hor.; mist in hor.	
0	L	Mist around hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	D	" "	
0	D	" "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 11th-Midnight	29.765	28.998	81°2	74°5	6°7	71°6	0.74	81°0	83°0	N b W	0.0					
1 a. m.	.745	.944	79.8	75.0	4.8	73.0	.81	80.2	82.8	„	0.0					
2 „	.713	.910	79.6	75.0	4.6	73.1	.81	80.2	82.6	NNW	0.0					
3 „	.715	.953	79.9	74.0	5.9	71.4	.75	80.1	82.6	N b W	0.0					
4 „	.732	.973	79.2	73.7	5.5	71.3	.78	79.7	82.4	N b E	0.0					
5 „	.741	29.002	78.6	73.0	5.6	70.5	.77	79.2	82.3	„	0.0					
6 „	.768	.022	78.0	73.0	5.0	70.8	.79	78.7	82.2	„	0.0					
7 „	.791	.005	81.2	75.0	6.2	72.4	.76	82.0	82.3	„	0.1					
8 „	.821	.042	85.4	76.0	9.4	72.1	.65	84.2	82.6	N	0.1					
9 „	.830	.030	88.1	77.3	10.8	73.0	.62	86.7	83.0	„	0.1					
10 „	.822	28.983	88.6	78.4	10.2	74.4	.64	87.2	83.2	NW b N	0.2					
11 „	.810	.994	89.9	78.2	11.7	73.6	.60	88.0	83.5	NW	0.3					
Noon.	.789	.997	90.2	77.7	12.5	72.7	.58	88.4	83.6	„	1.2	None.	None.	None.	None.	None.
1 p. m.	.743	.916	89.9	78.5	11.4	74.0	.64	88.2	84.0	„	1.2					
2 „	.716	.863	89.6	79.0	10.6	75.0	.60	88.2	84.1	„	1.5					
3 „	.694	.860	89.0	78.4	10.6	74.3	.63	88.1	84.2	„	1.6					
4 „	.682	.882	88.4	77.4	11.0	73.0	.61	87.4	84.2	„	1.6					
5 „	.687	.844	86.7	78.0	8.7	74.6	.68	86.2	84.1	„	1.5					
6 „	.702	.871	84.2	77.0	7.2	74.1	.73	83.8	83.8	NW b N	0.8					
7 „	.721	.915	83.0	76.0	7.0	73.2	.73	82.7	83.7	NNW	0.3					
8 „	.728	.962	83.0	75.0	8.0	71.6	.70	82.5	83.5	„	0.5					
9 „	.736	.968	82.8	75.0	7.8	71.7	.70	82.8	83.5	„	0.2					
10 „	.751	.942	82.6	76.0	6.6	73.3	.74	82.6	83.5	NW b N	0.6					
11 „	.753	.934	81.7	76.4	5.3	73.7	.79	81.7	83.4	„	0.5					
Apr. 12th-Midnight	.747	29.004	81.0	73.8	7.2	70.7	.72	81.4	83.0	NNW	0.4					
1 a. m.	.719	28.947	81.4	74.7	6.7	71.8	.74	81.4	83.2	„	0.5					
2 „	.708	.886	81.2	76.0	5.2	73.8	.79	81.2	83.0	„	0.2					
3 „	.696	.913	79.8	74.5	5.3	72.6	.79	80.2	82.8	„	0.0					
4 „	.694	.968	78.4	72.6	5.8	69.9	.76	79.6	82.6	„	0.0					
5 „	.707	.998	78.0	72.0	6.0	69.2	.76	78.5	82.3	„	0.0					
6 „	.727	.990	78.8	73.0	5.8	70.4	.76	79.7	82.2	„	0.0					
7 „	.763	29.031	82.6	74.0	8.6	70.2	.67	82.4	82.4	„	0.1					
8 „	.772	28.946	85.4	77.2	8.2	74.0	.69	84.2	82.9	NW b N	0.0					
9 „	.773	.928	87.7	78.3	9.4	74.7	.66	86.7	83.0	NNW	0.2					
10 „	.768	.903	89.3	79.2	10.1	75.4	.65	88.2	83.5	„	0.4					
11 „	.754	.864	90.2	80.0	10.2	76.3	.65	89.2	83.8	NW b N	0.6					
Noon.	.735	.805	91.3	81.2	10.1	77.7	.65	90.2	84.2	NNW	0.8	None.			None.	
1 p. m.	.699	.773	91.7	81.2	10.5	77.5	.64	90.6	84.6	„	0.8					
2 „	.675	.842	92.2	79.2	13.0	74.2	.57	91.0	84.8	„	1.4					
3 „	.653	.847	92.0	78.5	13.5	73.2	.55	91.2	85.0	„	1.6		Pos.	0.5		Above 10m.
4 „	.642	.899	92.2	77.0	15.2	70.7	.51	91.3	85.1	„	1.2					
5 „	.655	.888	90.0	77.0	13.0	71.6	.56	89.2	85.1	„	1.5					
6 „	.688	.895	87.6	77.0	10.6	72.7	.62	87.0	85.0	„	0.6					
7 „	.714	.909	86.5	77.0	9.5	73.2	.65	86.2	84.8	„	0.2					
8 „	.743	.960	85.0	76.0	9.0	72.3	.69	84.2	84.6	NW b N	0.0					
9 „	.758	.936	85.0	77.0	8.0	73.8	.70	84.2	84.5	SW b S	0.0					
10 „	.749	.880	84.4	78.0	6.4	75.5	.75	84.0	84.4	„	0.0					
11 „	.737	.901	83.7	77.0	6.7	74.3	.74	84.0	84.2	NW	0.2					
Apr. 14th-Midnight	.747	.822	81.6	78.6	3.0	77.5	.88	82.0	84.0	SW b S	0.2					
1 a. m.	.734	.845	81.2	77.7	3.5	76.3	.86	81.8	83.9	„	0.0					
2 „	.724	.851	80.4	77.0	3.4	75.7	.86	81.4	83.6	SW b W	0.0					
3 „	.731	.862	80.4	76.9	3.5	75.5	.85	81.0	83.6	„	0.2					
4 „	.745	.868	80.8	77.2	3.6	75.8	.85	81.0	83.5	SW	0.4					
5 „	.761	.855	81.0	78.0	3.0	76.8	.87	81.2	83.4	SSW	0.2					
6 „	.773	.869	81.2	78.0	3.2	76.8	.87	81.4	83.3	SW	0.1	None.	None.	None.	None.	None.
7 „	.798	.885	82.2	78.5	3.7	77.1	.85	82.4	83.3	„	0.1					
8 „	.813	.885	84.8	79.5	5.3	77.6	.80	84.2	83.5	„	0.1					
9 „	.821	.896	86.9	80.0	6.9	77.5	.75	85.7	83.8	„	0.4					
10 „	.817	.891	88.0	80.3	7.7	77.5	.72	86.7	84.0	„	0.2					
11 „	.800	.885	89.4	80.4	9.0	77.2	.68	88.0	84.3	W b S	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°2 and 83°9.
0	C	A few fragments of fleecy clouds in E.	
0	C	" " " "	
0	C	" " " "	
0	C	A few fragments of fleecy clouds in SE.	
0	D	Clear, except in hor.	
4	D	Light ≤ scattered about.	
5	D	" " "	
6	D	" " "	
0	L	A few streaks of ≤ in W; mist around hor.	
3	L	Light ≤ dispersed in E hem.; mist in hor.	
2	L	" " " " "	
4	L	Light ≤ around hor. and a few about zth.; mist in hor.	
0	C	≤ scattered in E.	
0	C	≤ dispersed about SW.	
0	C	" "	
0	C	Clear.	
3	D	≤ scattered around hor.	
5	D	≤ dispersed about.	
4	D	" "	
0	D	Clear, except in hor.	
0	L	" "	
3	L	Patches of ≤≤ scattered about, moving NW.	
2	L	" " " " "	
5	L	≤≤ scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°3 and 83°9.
5	C	" " "	
0	C	A few patches of ≤≤ in E.	
0	C	" " "	
0	C	" " "	
2	D	Small fragments of ≤≤ scattered about.	
5	D	≤≤ in E and SE hor.; ≤ scattered about.	
3	D	Light ≤ scattered about; mist in hor.	
2	D	A few patches of ≤≤ in SE and S hor.; ≤ scattered about; mist in hor.	
3	L	A few fragments of clouds in E; ≤ scattered around hor. from NE to W; mist	
5	L	Light ≤ scattered about; mist around hor. [in hor.	
5	L	" " " " "	
6	L	Light ≤ scattered about, except in NW.	
4	C	" " " " "	
0	C	A few fragments of fleecy clouds in W.	
0	C	Cloudless.	
3	C	Light ≤ scattered about.	
4	D	A few patches of fleecy clouds in E; ≤ scattered about.	
5	D	Fleecy ⌒≤ scattered about hor.; ≤ scattered throughout.	
4	D	Fleecy clouds and ≤ scattered about.	
5	D	Fleecy clouds around hor.; ≤ scattered throughout; a lunar-halo.	
3	D	" " " " " " " "	
4	D	" " " " " " " "	
6	D	≤ scattered throughout; hazy.	
3	L	Small masses of fleecy clouds scattered about, moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°4 and 83°9.
5	C	" " " " " " "	
1	C	Patches of ≤≤ in S.	
2	C	Fleecy clouds and ≤≤ around hor. and in S above it.	
2	C	Fleecy clouds and ≤≤ scattered along E hor.	
5	D	≤≤-like clouds scattered about, moving NE.	
4	D	" " " " "	
4	D	" " " " "	
2	D	≤≤-like clouds scattered about hor., moving NE.	
2	L	≤≤-like clouds scattered about, moving N.	
1	L	A few masses of clouds above hor. from SE to NW.	
1	L	" " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 feet in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 14th–Noon.	29.775	28.845	90°4	81°0	9°4	77°7	0.67	89°2	84°6	W b S	0.3					
1 p. m.	.734	.810	91.0	81.0	10.0	77.5	.66	89.8	84.9	WSW	0.3					
2 „	.721	.796	91.2	80.8	10.4	77.5	.64	89.8	85.1	„	0.2					
3 „	.704	.788	90.8	80.7	10.1	77.1	.65	89.6	85.3	„	0.4					
4 „	.696	.794	90.1	80.3	9.8	76.7	.66	89.1	85.3	„	0.2					
5 „	.716	.820	87.7	79.5	8.2	76.5	.70	87.0	85.2	„	0.1					
6 „	.730	.861	84.4	78.0	6.4	75.5	.75	84.2	85.0	SW b W	0.1	None.	None.	None.	None.	None.
7 „	.736	.890	82.8	77.0	5.8	74.7	.77	83.2	84.7	„	0.0					
8 „	.749	.896	82.2	77.0	5.2	75.0	.79	82.3	84.5	SSW	0.1					
9 „	.763	.898	81.8	77.2	4.6	75.4	.82	82.2	84.2	S b W	0.2					
10 „	.769	.900	81.5	77.2	4.3	75.5	.83	82.0	84.0	„	0.2					
11 „	.766	.904	81.2	77.0	4.2	75.3	.83	81.9	83.9	„	0.1					
Apr. 15th-Midnight	.762	.926	80.9	76.2	4.7	74.3	.81	81.4	83.7	S b W	0.1					
1 a. m.	.741	.907	80.4	76.0	4.4	74.3	.82	81.2	83.7	„	0.1					
2 „	.724	.888	80.2	76.0	4.2	74.3	.83	81.0	83.5	„	0.2					
3 „	.721	.883	80.0	76.0	4.0	74.4	.84	80.6	83.4	„	0.1		Pos.	0.5		
4 „	.752	.882	80.2	76.2	4.0	74.6	.83	80.6	83.4	„	0.1					
5 „	.731	.893	80.0	76.0	4.0	74.4	.84	80.4	83.3	„	0.1					
6 „	.752	.914	80.0	76.0	4.0	74.4	.84	81.2	83.2	„	0.1					
7 „	.787	.927	83.0	77.4	5.6	75.2	.78	83.2	83.2	„	0.1					
8 „	.805	.943	85.0	78.0	7.0	75.3	.74	84.4	83.5	„	0.1					
9 „	.816	.940	86.4	78.7	7.7	75.8	.72	85.2	83.6	„	0.1					
10 „	.820	.944	87.5	79.0	8.5	75.8	.69	85.9	83.8	„	0.2					
11 „	.821	.935	89.5	80.0	9.5	76.1	.67	87.7	84.1	SW b W	0.1					
Noon.	.805	.904	90.8	80.4	10.4	76.7	.64	89.0	84.4	SW b S	0.2	None.			None.	None.
1 p. m.	.763	.853	91.5	80.8	10.7	77.0	.64	90.0	84.7	WSW	0.2					
2 „	.737	.825	91.8	80.9	10.9	77.1	.63	90.2	85.0	„	0.2					
3 „	.720	.817	91.8	80.7	11.1	76.7	.62	90.2	85.2	W b S	0.2					
4 „	.716	.805	91.4	80.8	10.6	77.0	.64	90.0	85.4	„	0.2					
5 „	.731	.831	89.2	80.0	9.2	76.6	.67	88.2	85.3	„	0.1					
6 „	.745	.829	85.4	79.4	6.0	77.2	.78	84.7	85.0	„	0.1					
7 „	.755	.875	83.4	78.0	5.4	75.9	.79	84.0	84.8	„	0.1					
8 „	.778	.910	82.7	77.5	5.2	75.5	.80	83.2	84.5	„	0.1					
9 „	.801	.940	82.2	77.2	5.0	75.2	.80	82.4	84.3	W	0.1					
10 „	.809	.945	81.2	77.0	4.2	75.4	.83	82.0	84.1	W b N	0.0					
11 „	.803	.959	80.2	76.2	4.0	74.6	.84	81.0	83.9	„	0.0					
Apr. 16th-Midnight	.782	.964	80.0	76.2	3.8	74.8	.85	81.0	83.7	W b N	0.0					
1 a. m.	.778	.935	79.6	76.0	3.6	74.6	.84	80.4	83.5	„	0.0					
2 „	.773	.959	79.3	75.2	4.1	73.5	.83	80.2	83.5	„	0.0					
3 „	.770	.958	78.9	75.0	3.9	73.4	.84	80.0	83.3	W b S	0.0					
4 „	.772	.972	78.2	74.5	3.7	73.0	.86	79.4	83.1	Calm.	0.0					
5 „	.781	29.001	78.3	74.0	4.3	72.1	.82	79.7	82.9	„	0.0					
6 „	.818	.023	78.7	74.5	4.2	72.8	.83	80.0	82.8	„	0.0					
7 „	.837	.032	81.2	75.5	5.7	73.2	.77	82.2	82.9	„	0.0					
8 „	.874	.007	84.5	78.0	6.5	75.5	.75	84.4	83.1	S	0.1					
9 „	.885	.057	86.6	77.6	9.0	74.0	.67	84.9	83.5	S b E	0.1					
10 „	.883	.077	87.2	77.2	10.0	73.2	.64	85.3	83.6	S b W	0.1					
11 „	.873	.052	88.0	77.8	10.2	73.8	.64	86.2	83.7	WSW	0.1					
Noon.	.851	.057	89.0	77.4	11.6	72.8	.60	87.0	84.0	„	0.1	None.			None.	
1 p. m.	.813	.030	90.3	77.2	13.1	72.3	.56	88.2	84.3	„	0.1					
2 „	.795	.017	91.0	77.3	13.7	72.1	.54	89.4	84.6	W b S	0.2					
3 „	.774	.082	91.2	75.4	15.8	68.5	.48	89.5	84.8	„	0.2					
4 „	.766	.112	90.8	74.3	16.5	66.7	.47	88.8	84.9	W	0.1					
5 „	.777	.170	87.8	72.2	15.6	64.5	.47	86.4	84.8	WNW	0.1					
6 „	.783	.188	85.0	71.0	14.0	63.9	.51	84.2	84.5	NW b W	0.1					
7 „	.796	.150	83.7	72.0	11.7	66.4	.57	83.4	84.1	NW	0.1					
8 „	.823	.133	83.0	73.0	10.0	68.4	.63	82.2	83.9	„	0.1		Pos.	1.0		Above 10m.
9 „	.827	.117	82.6	73.4	9.2	69.3	.65	82.4	83.7	„	0.1		Pos.	1.0		Above 10m.
10 „	.828	.101	82.1	73.7	8.4	70.0	.68	82.0	83.6	„	0.2		Pos.	1.0		Above 10m.
11 „	.825	.084	81.8	74.0	7.8	70.6	.70	81.9	83.5	„	0.1		Pos.	1.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	L	Clear, except a few clouds in E hor.	
0	C	" " " "	
0	C	Clear, except in hor.	
0	C	Light ⌒⌒i in E above hor.	
0	C	" " "	
2	D	Fleecy clouds scattered around hor., moving NE.	
3	D	Fleecy clouds scattered about, moving NE.	
3	D	" " " " "	
2	D	" " " " "	
3	L	" " " " "	
3	L	" " " " "	
4	L	⌒⌒i-like clouds scattered about, moving N.	
2	L	Fleecy clouds scattered around hor. and a few in zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°6 and 84°0.
3	C	A few patches of ⌒⌒i in E; fleecy clouds scattered above.	
2	C	A few patches of ⌒⌒i in E; fleecy clouds scattered above, moving N.	
2	C	Dense patches of ⌒⌒i scattered about; a few lumps of fleecy clouds about zth.	On the 15th, at 4 A. M., the Barometer rose a little instead of falling. The Morning Maximum of Barometer occurred a little later.
2	C	Patches of ⌒⌒i dispersed about.	
3	D	" " "	
2	D	⌒⌒i-like clouds around hor., moving NE.	
4	D	" " " "	
2	D	" " " "	
2	L	" " " "	
2	L	Fleecy clouds scattered about hor.	
1	L	Fleecy clouds scattered about E hor.	
1	L	A few lumps of fleecy clouds above S, SW, and W hor.	
0	C	Cloudless.	
0	C	A few patches of clouds about E hor.	
0	C	" " " "	
0	C	" " " "	
1	D	Fleecy clouds around hor., moving NE.	
1	D	" " " "	
0	D	A few patches around hor.	
0	D	A few clouds in NE and E.	
0	L	Cloudless.	
0	L	A few patches of fleecy clouds in W and NW.	
0	L	A few patches above S and W hor., moving E.	
2	L	Fleecy clouds scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°6 and 84°0.
4	C	" " " " "	
2	C	" " " " "	
1	C	" " " " "	On the 16th, at 6 P. M., the Temperature of Dew-Point was 63°9, being 10°7 lower than the Normal Mean; at this hour the Temperature of Evaporation was 6°6 lower than the Normal Mean for the month.
1	C	A few patches of ⌒⌒i and fleecy clouds in E and S.	
2	D	⌒⌒i-like clouds scattered about, moving NE.	
2	D	" " " " "	
3	D	" " " " "	
4	D	" " " " "	
3	L	Fleecy clouds around hor. from NW to SE, and a few lumps about zth.	
1	L	Fleecy clouds around hor. from N to SE.	
0	L	A few fragments of clouds about E and N hor.	
0	L	A few fragments of fleecy clouds above N hor.	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in hours after the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 17th-Midnight	29.816	29.075	81°4	73°9	7°5	70°6	0.71	81°4	83°5	NW	0.2		Pos.	1.0		Above 10m.
1 a. m.	.822	.072	81.0	74.0	7.0	71.0	.72	81.2	83.4	„	0.0		Pos.	0.6		Above 10m.
2 „	.814	.059	80.2	74.1	6.1	71.4	.76	80.6	83.3	NW b N	0.0		Pos.	0.5		Above 10m.
3 „	.804	.046	79.0	73.5	5.5	71.3	.77	79.4	82.9	„	0.0		Pos.	0.4		Above 10m.
4 „	.799	.040	78.2	73.4	4.8	71.3	.80	78.6	82.7	„	0.0		Pos.	1.0		Above 10m.
5 „	.805	.056	77.8	73.3	4.8	70.9	.80	78.5	82.6	„	0.0		Pos.	1.0		Above 10m.
6 „	.853	.107	78.0	73.0	5.0	70.8	.79	79.4	82.5	„	0.0		Pos.	2.0		Above 10m.
7 „	.880	.070	81.8	75.8	6.0	73.3	.77	82.0	82.4	NE	0.1		Pos.	2.0		Above 10m.
8 „	.916	.125	84.3	76.0	8.3	72.6	.69	84.2	82.9	E	0.1					
9 „	.917	.138	85.4	76.0	9.4	72.1	.66	84.2	83.0	„	0.1					
10 „	.906	.096	86.8	77.2	9.6	73.3	.66	85.2	83.3	W	0.1					
11 „	.898	.070	88.2	77.3	10.9	74.0	.62	86.5	83.5	NW	0.2					
Noon.	.878	.068	89.7	78.0	11.7	73.3	.60	87.8	83.8	NW b W	0.2	None.			None.	
1 p. m.	.840	.036	89.9	77.9	12.0	73.1	.59	88.2	84.2	WNW	0.2		Pos.	1.0		
2 „	.819	.080	90.4	76.4	14.0	70.5	.53	89.2	84.4	NW b W	0.2		Pos.	1.0		
3 „	.793	.067	90.2	76.0	14.2	69.9	.52	88.8	84.5	„	0.3		Pos.	1.0		
4 „	.777	.112	89.1	74.1	15.0	67.2	.50	87.6	84.3	NW	0.2		Pos.	0.5		
5 „	.770	.088	87.2	74.0	13.2	68.0	.54	86.7	84.2	„	0.2					
6 „	.786	.039	84.7	75.0	9.7	70.8	.64	84.0	84.0	„	0.4					
7 „	.806	.048	83.7	75.0	8.7	71.3	.67	84.0	83.9	NW b N	0.5					
8 „	.813	.047	83.0	75.0	8.0	71.6	.70	83.8	83.8	„	0.3					
9 „	.819	.029	83.0	75.6	7.4	72.6	.72	83.0	83.8	N b W	0.2					
10 „	.819	.029	83.0	75.6	7.4	72.6	.72	83.0	83.8	NNW	0.4					
11 „	.808	.019	82.7	75.5	7.2	72.6	.72	82.8	83.6	„	0.5					
Apr. 18th-Midnight	.792	.019	82.4	75.0	7.4	71.9	.72	82.2	83.6	N b W	0.5		Pos.	1.0		Above 10m.
1 a. m.	.786	.012	80.9	74.6	6.3	71.9	.75	81.9	83.6	„	0.5		Pos.	1.0		Above 10m.
2 „	.783	.030	79.8	74.0	5.8	71.5	.77	80.6	83.3	N	0.3					
3 „	.776	.045	79.4	73.0	6.4	70.2	.74	79.8	83.0	„	0.2					
4 „	.772	.050	78.5	72.5	6.0	69.8	.76	79.2	82.8	„	0.2					
5 „	.796	.087	78.0	72.0	6.0	69.2	.76	78.4	82.6	„	0.0					
6 „	.823	.051	79.0	74.0	5.0	71.8	.80	80.2	82.5	NNE	0.0					
7 „	.853	.118	82.4	74.0	8.4	70.3	.68	82.2	82.6	„	0.0					
8 „	.875	.106	86.3	76.0	10.3	71.7	.63	86.0	83.2	N b E	0.0					
9 „	.886	.059	88.2	78.0	10.2	74.0	.64	87.2	83.5	NNW	0.2					
10 „	.875	.088	88.6	77.1	11.5	72.5	.60	87.4	83.6	NW	0.3					
11 „	.861	.040	90.2	78.4	11.8	73.8	.60	88.8	84.3	„	0.2					
Noon.	.837	.066	91.5	77.5	14.0	71.8	.54	90.0	84.3	WNW	0.3	None.			None.	
1 p. m.	.793	.037	91.0	77.0	14.0	71.2	.54	89.9	84.4	NW b N	0.3					
2 „	.763	.031	91.8	76.6	15.2	70.2	.51	90.9	84.7	„	0.5					
3 „	.742	.061	91.4	75.2	16.2	68.0	.47	90.5	84.7	„	0.5					
4 „	.715	.040	90.9	74.9	16.0	67.7	.47	89.8	84.9	„	0.7					
5 „	.723	.025	89.2	75.0	14.2	68.7	.52	88.4	84.8	„	1.2					
6 „	.732	.041	86.4	74.0	12.4	68.4	.56	86.2	84.6	„	1.5					
7 „	.744	.004	85.4	75.0	10.4	70.5	.62	85.2	84.4	„	1.7					
8 „	.769	.018	84.4	75.0	9.4	71.0	.65	84.7	84.2	„	1.5					
9 „	.803	.001	84.0	76.2	7.8	73.0	.71	84.0	84.4	NNW	0.4					
10 „	.805	28.996	83.4	76.2	7.2	73.3	.73	83.4	84.3	N b W	0.3					
11 „	.806	29.003	83.2	76.0	7.2	73.1	.73	83.4	84.2	„	0.4					
Apr. 19th-Midnight	.789	28.993	82.4	75.6	6.8	72.8	.74	82.2	84.1	N	0.1		Pos.	1.0		2.0
1 a. m.	.781	29.001	80.4	74.6	5.8	72.2	.75	80.8	83.8	Calm.	0.0					
2 „	.764	28.977	79.7	74.6	5.1	72.5	.79	80.6	83.6	„	0.0					
3 „	.757	.987	79.2	74.0	5.2	71.8	.79	80.2	83.5	„	0.0					
4 „	.756	29.016	79.2	73.2	6.0	70.5	.76	80.0	83.3	„	0.0					
5 „	.767	.032	79.0	73.0	6.0	70.3	.76	80.2	83.2	„	0.0					
6 „	.771	.038	79.2	73.0	6.2	70.2	.75	82.8	83.1	N	0.1	None.			None.	
7 „	.788	28.974	82.2	76.0	6.2	73.5	.76	83.7	83.0	„	0.1					
8 „	.825	29.060	86.6	76.0	10.6	71.6	.62	86.0	83.5	„	0.1					
9 „	.844	28.971	89.4	79.4	10.0	75.7	.65	88.2	83.9	NNE	0.1		Pos.	2.0		Above 10m.
10 „	.837	29.021	89.2	78.0	11.2	73.6	.61	87.8	84.0	S	0.1					
11 „	.818	28.957	91.6	79.7	11.9	75.2	.60	90.0	84.4	NW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
0	L	Clear, and dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°7 and 84°0.
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	Fragments of fleecy clouds scattered here and there.	
0	D	Clear.	
0	D	"	
0	D	Mist along W, and fog along E hor.	
0	D	" " " "	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
1	C	Patches of fleecy clouds scattered above hor. from SW to N.	
0	D	" " " " " " "	
0	D	" " " " " " "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 84°0.
0	C	"	
0	C	"	
0	C	"	
0	C	A few pieces of clouds dispersed about.	
0	D	Clear.	
0	D	"	
0	D	Light mist around hor.	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	A few patches of fleecy clouds about hor. from SW to N.	
0	D	" " " " " "	
0	D	" " " " " "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 84°2.
0	C	"	
0	C	"	
0	C	A few patches of fleecy clouds above E hor.	
0	C	A few patches of fleecy clouds above W hor.	
0	D	Patches of fleecy clouds and ≤ scattered around hor.	
0	D	" " " " " "	
0	D	A few patches of fleecy clouds above SE hor.; light mist in hor.	
0	D	Light haze along E hor.	
0	L	" " "	
0	L	" " "	
0	L	" " "	

On the 17th Wind blowing in circular direction. At 1 A. M. the Barometer was a little higher than it ought to be; second Minimum of Barometer a little later. At 10 A. M. the Reading of Barometer was 29·906, being 0·054 higher than the Normal Mean.

On the 18th the Evening Maximum of Barometer occurred a little later. Fresh breezes blowing in the Evening, Maximum Pressure 1.7 lb.

On the 19th, at 7 and 9 A. M., the Temperature of Wet Bulb Thermometer rose 3°0 and 3°4 respectively in one hour. Fresh breezes blowing in the afternoon; Circular Wind blowing. At 2 P. M. the Temperature of Air was 93°4, being the highest in the month. At 4 P. M. the

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 19th-Noon.	29.797	28.927	92°0	80°0	12°0	75°6	0.60	90°6	84°7	NW	0.2					
1 p.m.	.753	.958	93.0	78.5	14.5	72.8	.53	91.8	85.1	WNW	0.3					
2 „	.712	.934	93.4	78.2	15.2	72.1	.51	92.2	85.5	„	0.6		Pos.	1.0		Above 10m.
3 „	.693	.919	93.0	78.0	15.0	71.9	.52	92.2	85.7	„	0.9					
4 „	.664	.881	92.2	78.0	14.2	72.3	.53	91.6	85.8	„	1.2					
5 „	.665	.915	90.0	76.6	13.4	71.0	.55	89.2	85.7	„	0.9					
6 „	.681	.890	86.7	76.7	10.0	72.6	.64	86.4	85.1	„	0.6					
7 „	.724	.874	85.0	77.7	7.3	74.8	.72	85.2	85.0	„	0.4	None.			None.	
8 „	.755	.913	84.0	77.2	6.8	74.6	.74	84.2	85.0	„	0.3					
9 „	.769	.945	83.7	76.7	7.0	73.9	.73	84.8	85.0	N b W	0.2					
10 „	.778	.941	83.6	77.0	6.6	74.4	.76	84.5	84.8	„	0.2					
11 „	.767	.910	83.6	77.5	6.1	75.1	.76	84.2	84.8	„	0.2					
Apr. 21st-Midnight	.770	.943	81.7	76.2	5.5	74.0	.78	82.0	84.5	NW b N	0.0					
1 a.m.	.748	.914	80.4	76.0	4.4	74.3	.82	81.4	84.3	Calm.	0.0					
2 „	.736	.900	80.2	76.0	4.2	74.3	.83	81.1	84.1	„	0.0					
3 „	.730	.894	80.2	76.0	4.2	74.3	.83	81.2	84.0	„	0.0					
4 „	.721	.900	79.8	75.5	4.3	73.8	.82	81.0	83.7	„	0.0					
5 „	.731	.928	79.6	75.0	4.6	73.1	.81	80.4	83.6	„	0.0					
6 „	.754	.914	80.0	76.0	4.0	74.4	.84	81.2	83.5	„	0.0					
7 „	.784	.949	83.8	77.0	6.8	74.3	.74	83.4	83.6	„	0.0					
8 „	.801	.950	86.0	78.0	8.0	74.9	.70	85.4	83.9	NW	0.1					
9 „	.814	.946	87.4	78.4	9.0	75.5	.68	86.2	84.2	SW b W	0.1					
10 „	.808	.941	88.4	79.0	9.4	75.5	.67	87.2	84.4	WSW	0.1					
11 „	.796	.936	89.7	79.2	10.5	75.2	.64	87.9	84.6	„	0.1	None.	None.	None.	None.	None.
Noon.	.781	.917	91.0	79.6	11.4	75.4	.61	89.2	85.0	„	0.2					
1 p.m.	.756	.912	91.5	79.8	11.7	75.4	.61	89.6	85.3	W b N	0.2					
2 „	.724	.834	91.8	80.4	11.4	76.3	.62	90.4	85.5	WNW	0.2					
3 „	.706	.790	91.7	81.0	10.7	77.2	.64	90.3	85.7	„	0.2					
4 „	.698	.793	90.4	80.4	10.0	76.8	.65	88.6	85.7	NW b W	0.1					
5 „	.708	.792	87.7	80.0	7.7	77.2	.72	86.4	85.6	„	0.1					
6 „	.716	.803	84.8	79.0	5.8	76.8	.79	84.2	85.4	NW	0.1					
7 „	.730	.848	83.2	78.0	5.2	76.0	.80	83.0	85.1	„	0.1					
8 „	.734	.841	82.2	78.0	4.2	76.4	.83	81.8	84.7	NW b N	0.2					
9 „	.748	.813	82.2	79.0	3.2	77.8	.87	82.8	84.6	„	0.1					
10 „	.748	.823	82.0	78.7	3.3	77.5	.87	82.6	84.5	N b W	0.1					
11 „	.745	.846	81.6	78.0	3.6	76.6	.86	82.2	84.4	„	0.1					
Apr. 22nd-Midnight	.736	29.855	81.5	77.5	4.0	76.0	.84	81.8	84.2	N b W	0.1					
1 a.m.	.729	.855	81.0	77.2	3.8	75.7	.84	81.4	84.2	„	0.1					
2 „	.716	.838	80.4	77.4	3.0	75.9	.87	81.0	84.0	N	0.0					
3 „	.714	.824	79.8	77.0	2.8	76.3	.88	80.2	83.8	Calm.	0.0					
4 „	.713	.864	79.4	76.4	3.0	74.8	.87	80.2	83.7	„	0.0					
5 „	.721	.872	79.0	76.0	3.0	74.8	.87	80.0	83.6	„	0.0					
6 „	.740	.893	79.2	76.0	3.2	74.7	.87	80.2	83.5	„	0.0					
7 „	.776	.894	83.2	78.0	5.2	76.0	.80	84.0	83.6	„	0.0					
8 „	.793	.893	85.4	79.0	6.4	76.6	.76	85.2	83.9	„	0.0					
9 „	.809	.904	86.4	79.4	7.0	76.8	.74	85.2	84.0	SW b S	0.1					
10 „	.806	.909	88.0	79.6	8.4	76.5	.70	86.6	84.2	SW	0.1					
11 „	.798	.896	89.0	80.0	9.0	76.7	.68	87.4	84.5	SW b W	0.1	None.	None.	None.	None.	None.
Noon.	.783	.908	90.0	79.6	10.4	75.8	.64	88.2	84.6	W	0.3					
1 p.m.	.759	.879	91.1	80.0	11.1	75.9	.62	89.4	84.9	W b N	0.2					
2 „	.739	.861	92.0	80.2	11.8	75.9	.60	90.2	85 2	„	0.2					
3 „	.716	.830	91.7	80.3	11.4	76.1	.22	90.2	85.5	„	0.2					
4 „	.714	.830	90.6	80.0	10.6	76.1	.64	89.0	85.6	„	0.1					
5 „	.722	.824	88.6	79.8	8.8	76.6	.69	87.6	85.5	„	0.1					
6 „	.723	.820	85.8	79.2	6.6	76.7	.75	85.3	85.2	„	0.3					
7 „	.742	.827	84.0	79.0	5.0	77.2	.81	84.2	84.9	„	0.2					
8 „	.769	.882	83.1	78.1	5.0	76.2	.80	83.3	84.7	WNW	0.1					
9 „	.784	.896	82.6	78.0	4.6	76.2	.82	83.0	84.5	„	0.1					
10 „	.786	.913	82.2	77.5	4.7	75.7	.81	82.2	84.5	„	0.1					
11 „	.784	.889	82.0	78.0	4.0	76.5	.84	82.2	84.3	NW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ∨≀ nimbi.	
0	L	Light haze along E hor.	Reading of Barometer was 29·664, being 0·061 lower than the Normal Mean. Ranges of Barometer and Air Thermometer highest on this day in the month.
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°8 and 84°4.
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	D	A few clouds about SE hor.	
0	D	" " "	
0	L	A few patches of fleecy clouds scattered about SE, S, and SW hor.	
1	L	Fleecy clouds scattered in SE.	
0	L	A few patches of fleecy clouds about SE hor.	
1	L	A few clouds about hor. from SE to SW.	
1	C	" " " " "	
1	C	Fleecy clouds scattered in W.	
0	C	" " " "	
0	C	A few lumps of fleecy clouds in E.	
1	D	Fragments of fleecy clouds scattered about.	
0	D	A few clouds about SE and S hor.	
0	D	Clear.	
0	D	A few clouds about E and SE hor.	
5	L	∨≀ scattered throughout, moving SE.	
0	L	A few clouds along SE hor.	
0	L	Clear.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 84°5. On the 22nd the Range of Barometer was lowest in the month.
0	C	"	
0	C	A few masses of fleecy clouds in SW, moving SE.	
0	C	Clear.	
0	C	"	
0	D	"	
0	D	A few clouds around S and SE hor.; fog in NE, E, and SE hor.	
0	D	" " " " " " " "	
0	D	Lumps of fleecy clouds moving E; fog in hor. as before.	
0	L	Fleecy clouds about hor. from N to E, moving S; fog in hor. as before.	
0	L	" " " " " " " "	
0	L	Mist around hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear.	
2	D	Fragments of fleecy clouds scattered about, moving ESE.	
3	D	" " " " " "	
5	D	" " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 23rd-Midnight	29.774	28.899	81°7	77°4	4°3	75°8	0.83	82°0	84°3	NW b N	0.1					
1 a. m.	.766	.906	81.6	77.0	4.6	75.2	.82	81.8	84.3	NNW	0.1					
2 „	.759	.895	81.2	77.0	4.2	75.4	.83	81.5	84.2	N b W	0.1					
3 „	.764	.917	81.0	76.5	4.5	74.7	.82	81.4	84.0	Calm.	0.0					
4 „	.763	.923	80.9	76.3	4.6	74.5	.82	81.4	83.9	„	0.0					
5 „	.778	.944	80.4	76.0	4.4	74.3	.82	81.1	83.7	„	0.0					
6 „	.791	.955	80.2	76.0	4.2	74.3	.83	81.2	83.6	„	0.0					
7 „	.824	.969	83.8	78.0	5.8	75.8	.77	84.0	83.8	„	0.0					
8 „	.830	.970	86.3	78.3	8.0	75.2	.70	86.0	84.1	„	0.0					
9 „	.845	.986	87.2	78.5	8.7	75.2	.69	86.2	84.2	NNW	0.2					
10 „	.842	.965	88.2	79.2	9.0	75.8	.68	87.2	84.5	NW b N	0.3					
11 „	.833	.943	89.0	79.7	9.3	76.3	.67	87.6	84.6	NW	0.2					
Noon.	.813	.924	89.9	79.9	10.0	76.3	.65	88.2	84.9	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.778	.867	90.6	80.6	10.0	77.0	.66	89.0	85.2	NW b W	0.3					
2 „	.753	.839	91.1	80.7	10.4	77.1	.64	89.6	85.4	„	0.3					
3 „	.739	.813	90.4	80.9	9.5	77.5	.67	89.2	85.5	WNW	0.3					
4 „	.736	.807	89.6	80.8	8.8	77.6	.69	88.4	85.6	„	0.2					
5 „	.747	.865	87.0	79.0	8.0	76.0	.71	86.2	85.4	NW b W	0.1					
6 „	.758	.887	84.2	78.0	6.2	75.6	.76	84.0	85.1	„	0.5					
7 „	.768	.884	83.0	78.0	5.0	76.1	.80	82.8	84.8	„	1.0					
8 „	.778	.845	82.4	79.0	3.4	77.8	.86	82.2	84.5	NW	1.3					
9 „	.799	.877	82.2	78.7	3.5	77.4	.86	82.5	84.5	„	0.8					
10 „	.819	.876	82.2	79.0	3.2	78.1	.87	82.5	84.5	„	0.8					
11 „	.815	.872	82.2	79.0	3.2	78.1	.87	82.5	84.5	„	0.5					
Apr. 24th-Midnight	.803	.874	82.0	78.8	3.2	77.6	.87	82.2	84.3	NW b N	1.0					
1 a. m.	.780	.873	81.7	78.2	3.5	76.9	.86	82.1	84.3	„	0.8					
2 „	.769	.866	81.4	78.0	3.4	76.7	.86	81.8	84.1	NNW	0.3					
3 „	.761	.857	81.2	78.0	3.2	76.8	.87	81.7	84.1	„	0.0					
4 „	.763	.857	81.0	78.0	3.0	76.8	.88	81.6	83.9	„	0.0					
5 „	.788	.874	80.3	78.0	2.3	77.1	.90	80.8	83.8	„	0.1					
6 „	.808	.898	80.6	78.0	2.6	77.0	.85	80.9	83.7	„	0.1					
7 „	.827	.910	83.8	79.0	4.8	77.2	.81	83.7	83.9	„	0.1					
8 „	.844	.924	86.2	79.7	6.5	77.3	.75	86.0	84.1	„	0.1					
9 „	.849	.904	87.4	80.6	6.8	78.2	.75	86.6	84.4	„	0.1					
10 „	.840	.901	88.8	80.8	8.0	78.0	.71	87.6	84.6	NW b W	0.2					
11 „	.822	.857	89.6	81.0	8.6	78.8	.69	88.4	84.8	WNW	0.1					
Noon.	.799	.858	90.2	81.2	9.0	78.0	.68	89.2	85.0	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.758	.829	91.2	81.2	10.0	77.6	.65	89.6	85.4	NW b W	0.2					
2 „	.737	.796	91.8	81.5	10.3	78.0	.65	90.4	85.6	„	0.2					
3 „	.725	.798	91.8	81.3	10.5	77.6	.64	90.4	85.8	„	0.3					
4 „	.714	.778	91.0	81.3	9.7	77.9	.66	89.6	85.8	„	0.3					
5 „	.736	.865	88.7	79.2	9.5	75.6	.66	89.0	85.7	NW	0.1					
6 „	.748	.897	86.0	78.0	8.0	74.9	.70	86.0	85.6	„	0.5					
7 „	.764	.904	84.4	77.8	6.6	75.2	.75	84.2	85.2	„	1.0					
8 „	.771	.895	83.7	78.0	5.7	75.8	.78	83.0	84.7	NNW	1.2					
9 „	.772	.909	83.4	77.6	5.8	75.2	.78	83.2	84.7	„	1.5					
10 „	.783	.933	83.2	77.2	6.0	74.8	.77	83.2	84.6	„	1.0					
11 „	.782	.922	83.0	77.4	5.6	75.2	.78	83.2	84.6	„	0.4					
Apr. 25th-Midnight	.774	.926	82.6	77.0	5.6	74.8	.78	83.0	84.5	NNW	0.4					
1 a. m.	.753	.903	82.4	77.0	5.4	74.9	.78	82.8	84.5	N b W	0.3					
2 „	.732	.879	82.2	77.0	5.2	75.0	.79	82.2	84.4	„	0.2					
3 „	.723	.862	82.0	77.2	4.8	75.2	.81	82.2	84.3	„	0.2					
4 „	.736	.890	81.7	76.7	5.0	74.7	.80	81.7	84.2	„	0.1					
5 „	.749	.876	80.4	77.0	3.4	75.7	.86	80.0	84.0	N	0.1					
6 „	.770	.904	81.0	77.0	4.0	75.4	.84	81.3	83.8	„	0.1	None.	None.	None.	None.	None.
7 „	.798	.897	84.4	78.8	5.6	76.7	.78	85.2	84.0	„	0.1					
8 „	.823	.899	87.0	80.0	7.0	77.5	.74	86.4	84.4	„	0.0					
9 „	.824	.898	88.8	80.5	8.3	77.5	.70	88.0	84.6	SE b S	0.1					
10 „	.818	.914	90.0	80.3	9.7	76.8	.66	88.2	84.9	W b N	0.1					
11 „	.805	.884	90.9	80.9	10.0	77.4	.66	89.2	85.1	WNW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
2	D	Fleecy clouds scattered about hor., moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 84°6.
4	C	Light ≀≀ scattered about, moving S.	
3	C	" " " "	
5	C	Light ≀≀ and a few fleecy clouds scattered about, both moving SE.	
2	C	" " " " " " " "	
3	D	≀≀ scattered about, moving SE.	
4	D	≀≀ scattered about, moving SE; fog in NE, E, and SE hor.	
3	D	" " " " " " "	
2	D	≀≀ scattered about, moving S; fog in NE, E, and SE hor.	
2	L	≀≀ scattered about E. hor., moving SW.	
2	L	≀≀ and fleecy clouds around hor., moving S.	
2	L	Fleecy clouds in W. hor.; mist in hor.	
0	L	Mist around hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
3	L	Fleecy clouds scattered about, moving S.	
5	L	Light ≀≀ and fleecy clouds scattered about, both moving SE.	
4	L	Light ≀≀ and fleecy clouds scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 84°6.
3	C	" " " " " " "	
2	C	" " " " " " "	
1	C	" " " " " " "	
2	C	" " " " " " "	
1	D	Light ≀≀ and fleecy clouds dispersed around hor.	
1	D	" " " " " "	
2	D	Fleecy clouds scattered about hor., moving SE; fog along E hor.	
3	D	" " " " " " " "	
2	L	" " " " " " " "	
1	L	Fleecy clouds scattered around hor.	
0	L	Mist around hor.	
0	L	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	D	" "	
0	D	" "	
0	D	Clear.	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 84°8.
0	C	A few ≀≀ scattered in E, moving W.	
2	C	≀≀ scattered in W.	
3	C	" " "	
1	C	≀≀ scattered in W and SE.	
1	D	Fleecy clouds scattered around hor., moving E.	
1	D	Fleecy clouds scattered around hor.	
1	D	Fleecy clouds about E hor.; mist around hor.	
1	D	" " " " "	
0	D	" " " " "	
0	L	Mist around hor.	
0	L	A few clouds in NE and E hor.; mist around hor.	

On the 23rd fresh breezes blowing after sunset, Maximum Pressure 1.3 lb.

On the 24th fresh breezes blowing at night, Maximum Pressure 1.5 lb.

On the 25th wind blowing in a direct circular motion. At 3 P. M. the Temperature of Evaporation was 81°6, being 2°0 higher than the Normal Mean. At 5 P. M. the Temperature of Dew-Point was 79°1, being 4°5 higher than the Normal Mean.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 25th—Noon.	29.797	28.873	91°4	81°1	10°3	77°5	0.65	90°0	85°5	NW	0.4					
1 p. m.	.764	.894	92.0	80.0	12.0	75.6	.60	90.2	85.7	WNW	0.4					
2 „	.748	.843	92.7	81.0	11.7	76.8	.61	90.9	86.0	W b N	0.6					
3 „	.726	.791	92.4	81.6	10.8	77.9	.63	90.6	86.2	W	0.4					
4 „	.719	.791	92.2	81.4	10.8	77.6	.63	90.6	86.3	„	0.3					
5 „	.712	.739	89.1	80.9	8.2	79.1	.70	88.2	86.1	„	0.2	None.	None.	None.	None.	None.
6 „	.726	.795	86.4	80.0	6.4	77.7	.76	86.2	85.8	„	0.1					
7 „	.755	.844	84.4	79.0	5.4	77.0	.79	84.0	85.5	„	0.1					
8 „	.766	.848	83.7	79.0	4.7	77.3	.82	84.0	85.3	W b N	0.1					
9 „	.786	.855	83.3	79.2	4.1	77.7	.84	83.5	85.2	„	0.1					
10 „	.798	.875	82.9	78.9	4.0	77.4	.85	83.4	85.0	„	0.2					
11 „	.798	.875	82.6	78.8	3.8	77.4	.85	83.0	85.0	„	0.1					
Apr. 26th—Midnight	.784	.871	82.3	78.5	3.8	77.1	.85	82.8	84.7	W b N	0.2					
1 a. m.	.773	.852	82.0	78.7	3.3	77.4	.85	82.2	84.7	„	0.1					
2 „	.765	.850	81.8	78.2	3.6	76.8	.85	82.2	84.6	„	0.1					
3 „	.757	.859	81.7	78.0	3.7	76.6	.85	82.2	84.5	„	0.1					
4 „	.765	.882	81.4	77.8	3.6	76.0	.85	81.9	84.4	„	0.1					
5 „	.788	.919	80.7	77.0	3.7	75.0	.85	81.0	84.3	„	0.1					
6 „	.805	.939	81.0	77.0	4.0	75.4	.84	82.2	84.1	„	0.1					
7 „	.821	.944	83.6	78.0	5.6	75.8	.78	84.0	84.2	„	0.1					
8 „	.846	.965	86.2	78.8	7.4	76.0	.72	85.0	84.5	SSW	0.1					
9 „	.846	.994	87.8	78.5	9.3	74.9	.67	86.4	84.7	S b W	0.1					
10 „	.831	.946	89.4	79.7	9.7	76.1	.66	87.8	85.0	„	0.2					
11 „	.817	.928	90.3	80.0	10.3	76.3	.64	88.5	85.2	„	0.2	None.	None.	None.	None.	None.
Noon.	.824	.927	91.5	80.5	11.0	76.5	.63	90.2	85.5	SSW	0.4					
1 p. m.	.808	.916	92.7	80.7	12.0	76.4	.60	91.0	85.7	SW	0.5					
2 „	.783	.898	92.2	80.4	11.8	76.1	.61	90.8	85.9	„	0.4					
3 „	.769	.884	92.2	80.4	11.8	76.1	.61	91.0	86.0	WSW	0.5					
4 „	.756	.856	91.6	80.6	11.0	76.6	.64	90.2	86.2	„	0.4					
5 „	.738	.811	89.4	80.7	8.7	77.6	.69	88.2	86.2	W b S	0.3					
6 „	.761	.879	86.0	79.0	7.0	76.4	.74	85.8	85.9	„	0.3					
7 „	.776	.863	84.2	79.0	5.2	77.1	.80	84.2	85.5	„	0.3					
8 „	.782	.903	83.7	78.0	5.7	75.9	.78	83.8	85.5	„	0.2					
9 „	.798	.908	83.2	78.2	5.0	76.3	.80	83.6	85.3	„	0.1					
10 „	.805	.919	82.8	78.0	4.8	76.1	.81	83.2	85.1	SW b W	0.2					
11 „	.787	.886	82.2	78.2	4.0	76.7	.84	82.6	85.0	„	0.0					
Apr. 28th—Midnight	.797	.904	82.2	78.0	4.2	76.4	.83	82.5	84.6	W b N	0.0					
1 a. m.	.784	.924	81.6	77.0	4.6	75.2	.82	82.2	84.6	Calm.	0.0					
2 „	.781	.920	81.5	77.0	4.5	75.2	.82	82.1	84.5	„	0.0					
3 „	.762	.904	81.4	76.9	4.5	75.1	.82	81.8	84.3	„	0.0					
4 „	.774	.908	81.0	77.0	4.0	75.4	.84	81.7	84.2	„	0.0					
5 „	.794	.926	80.8	77.0	3.8	75.5	.85	82.0	84.1	„	0.0					
6 „	.816	.950	81.0	77.0	4.0	75.4	.84	82.3	84.0	„	0.0					
7 „	.826	.991	83.8	77.0	6.8	74.3	.74	84.4	84.1	WNW	0.0					
8 „	.856	29.002	85.7	78.0	7.7	75.0	.71	85.2	84.3	„	0.0					
9 „	.859	.029	86.8	77.7	9.1	74.1	.67	85.8	84.5	WSW	0.0					
10 „	.841	28.975	88.8	79.1	9.7	75.4	.66	87.6	84.7	SW b S	0.1					
11 „	.829	.972	90.0	79.2	10.8	75.1	.63	88.4	84.9	W	0.1	None.	None.	None.	None.	None.
Noon.	.809	.941	91.0	79.7	11.3	75.5	.62	89.1	85.2	„	0.2					
1 p. m.	.771	.897	91.3	79.9	11.4	75.7	.61	90.2	85.5	WNW	0.5					
2 „	.727	.842	90.7	80.0	10.7	76.1	.63	89.7	85.6	„	0.6					
3 „	.724	.827	90.4	80.3	10.1	76.5	.65	89.6	85.7	„	0.4					
4 „	.720	.825	89.6	80.0	9.6	76.5	.66	88.5	85.7	„	0.4					
5 „	.727	.849	87.4	79.0	8.4	75.9	.69	87.6	85.5	„	0.2					
6 „	.759	.855	85.0	79.0	6.0	76.8	.77	84.2	85.4	„	0.2					
7 „	.785	.912	84.0	78.0	6.0	75.7	.77	84.0	85.2	NW b W	0.2					
8 „	.817	.935	83.2	78.0	5.2	76.0	.80	83.8	85.0	NNW	0.1					
9 „	.799	.936	83.1	77.5	5.6	75.3	.78	83.2	84.8	„	0.1					
10 „	.799	.921	82.8	77.8	5.0	75.9	.80	83.0	84.7	WNW	0.2					
11 „	.796	.918	82.4	77.7	4.7	75.9	.81	82.7	84.6	NW b W	0.2					

Amount of Clouds 0—6.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∪ cirro-strati; ∩∪ cumulo-strati; and ∪ nimbi.	
0	L	A few clouds in NE and E hor.; mist around hor.	
0	C	Clear.	
0	C	A few clouds in SW.	
1	C	Fleecy clouds scattered about.	
5	C	" " " "	
6	C	Fleecy clouds scattered about, moving E.	
3	D	" " " " " "	
2	D	" " " " " "	
3	D	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
0	L	" " " " " "	
6	L	∪ and fleecy clouds scattered about, moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 84°8.
3	C	Masses of ∪ scattered about, moving E.	
6	C	∪ scattered in E hem.	
4	C	∪ scattered about.	
5	C	" "	
3	D	∪ scattered about, moving E.	
3	D	" " " "	
2	D	A few ∪ in SE and S hor., and ∪ scattered about; fog along E hor.	
2	D	∪ scattered about hor., moving NE; fog along E hor.	
1	C	Fleecy clouds scattered about.	
0	C	" " "	
0	C	A few clouds around hor.	
1	C	A few fragments of fleecy clouds above NE hor.	
1	L	Fleecy clouds in S and SW.	
1	L	" " "	
1	L	" " "	
2	L	Fragments of fleecy clouds about hor.	
1	C	" " " "	
0	C	" " " "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
1	L	Light ∪ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 84°9.
0	C	A few masses of ∪ in E.	
0	C	" " "	
0	C	A few masses of ∪ about W hor.	
0	C	A few masses of clouds here and there.	
3	D	∪ scattered about.	
4	D	∪ scattered about, moving ESE; light fog along E hor.	
2	D	" " " " " " "	
3	D	" " " " " " "	
2	L	∪ scattered in NE hem. and a few in W.	
1	L	" " " " "	
0	L	A few clouds in N and NE hor.; mist in hor.	
1	L	∪ scattered about NE.	
0	C	A few clouds in E hor.	
0	C	" " "	
0	C	" " "	
0	C	" " "	
2	D	Fleecy clouds scattered about, moving NE.	
3	D	" " " " "	
5	D	Fleecy clouds scattered about; lightning in E at every 20s.	
3	D	" " " " " "	
1	L	∪ scattered around hor.; lightning in NE every 3m.	
2	L	∪ scattered around hor., except in S.	
2	L	Masses of ∪ scattered about.	

On the 26th three Maxima and three Minima of Barometer were apparent.

On the 28th the Evening Maximum of Barometer occurred a little earlier than usual. The Range of Air Thermometer was lowest in the month.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −.	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Apr. 29th-Midnight	29.784	28.891	82°2	78°0	4°2	76°4	0.83	83°0	84°5	NW b W	0.0					
1 a. m.	.769	.888	81.8	77.8	4.0	76.3	.84	82.2	84.5	„	0.0					
2 „	.779	.891	81.7	77.7	4.0	76.2	.84	82.2	84.5	„	0.0					
3 „	.763	.889	81.6	77.4	4.2	75.7	.83	82.2	84.4	„	0.0					
4 „	.775	.909	81.0	77.0	4.0	75.4	.84	81.8	84.2	„	0.0					
5 „	.809	.945	81.2	77.0	4.2	75.4	.83	82.2	84.1	WNW	0.0					
6 „	.826	.964	81.4	77.0	4.4	75.3	.82	82.2	84.0	„	0.0					
7 „	.851	.936	84.0	79.0	5.0	77.2	.81	84.2	84.2	„	0.0					
8 „	.866	.938	86.6	80.0	6.6	77.6	.75	86.0	84.5	„	0.0					
9 „	.865	.937	88.2	80.4	7.8	77.6	.72	87.2	84.6	W b S	0.1					
10 „	.856	.958	89.4	80.0	9.4	76.6	.67	87.9	84.8	SW	0.1					
11 „	.847	.952	90.9	80.3	10.6	76.5	.64	89.0	85.2	SW b W	0.1					
Noon.	.826	.908	91.5	81.0	10.5	77.3	.64	89.6	85.4	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.779	.867	91.8	80.9	10.9	77.1	.63	90.2	85.7	W	0.2					
2 „	.744	.854	91.9	81.2	10.7	76.3	.64	90.4	86.0	WNW	0.3					
3 „	.738	.825	91.2	80.8	10.4	77.1	.64	90.2	86.1	„	0.3					
4 „	.736	.819	90.8	80.8	10.0	77.2	.66	89.7	86.1	W	0.2					
5 „	.743	.827	87.7	80.0	7.7	77.2	.71	87.4	85.9	WNW	0.1					
6 „	.790	.901	86.4	79.0	7.4	76.3	.72	86.2	85.6	NW	0.1					
7 „	.799	.930	84.6	78.0	6.6	75.5	.75	84.2	85.4	NNW	0.1					
8 „	.819	.946	84.0	78.0	6.0	75.7	.77	84.0	85.2	NW b N	0.2					
9 „	.834	.969	84.0	77.8	6.2	75.4	.76	84.0	85.0	N	0.5					
10 „	.831	29.176	83.6	72.2	11.4	66.8	.58	83.6	85.0	„	1.0					
11 „	.826	.052	83.0	75.2	7.8	71.9	.70	83.2	84.8	NE b N	0.1					
Apr. 30th-Midnight	.799	.114	82.8	72.8	10.0	68.1	.63	83.0	84.6	N b W	0.2					
1 a. m.	.779	28.868	84.4	79.0	5.4	77.0	.78	83.8	84.8	NW	0.6					
2 „	.773	.875	83.4	78.7	4.7	76.3	.82	83.2	84.7	NW b N	1.2					
3 „	.761	.884	82.9	77.7	5.2	75.8	.79	83.0	84.7	„	0.5					
4 „	.757	.895	82.8	77.4	5.4	75.3	.79	83.0	84.7	NNW	0.0					
5 „	.772	.879	82.2	78.0	4.2	76.4	.83	81.6	84.7	„	0.0					
6 „	.792	.900	82.3	78.0	4.3	76.4	.83	83.0	84.6	E	0.2					
7 „	.802	.920	85.0	78.5	6.5	76.0	.75	86.0	84.5	SE b S	0.1					
8 „	.827	.907	87.4	80.0	7.4	77.3	.73	87.2	84.9	SSE	0.1					
9 „	.831	.882	90.2	81.4	8.8	78.3	.69	89.2	85.2	S b W	0.2					
10 „	.850	.917	90.9	81.2	9.7	77.8	.67	89.4	85.4	SW	0.2					
11 „	.847	.893	92.3	82.0	10.3	78.5	.65	90.7	85.7	WSW	0.2					
Noon.	.824	.910	92.7	81.2	11.5	77.1	.62	91.2	86.0	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.776	.870	92.4	81.0	11.4	76.9	.62	90.9	86.3	W b N	0.1					
2 „	.758	.839	92.2	81.2	11.0	77.3	.63	91.0	86.5	WNW	0.2					
3 „	.727	.841	91.6	81.0	10.6	76.1	.64	90.2	86.6	„	0.2					
4 „	.707	.795	90.4	80.6	9.8	77.1	.66	89.4	86.4	„	0.2					
5 „	.713	.798	87.8	80.0	7.8	77.2	.71	87.6	86.3	NW b W	0.1					
6 „	.735	.796	85.7	80.0	5.7	78.0	.78	86.0	85.9	„	0.1					
7 „	.745	.834	84.4	79.0	5.4	77.0	.79	84.2	85.6	„	0.1					
8 „	.760	.845	84.0	79.0	5.0	77.2	.81	84.2	85.4	„	0.1					
9 „	.774	.849	83.8	79.2	4.6	77.8	.82	84.0	85.6	WNW	0.1					
10 „	.781	.859	83.4	79.0	4.4	77.4	.83	83.0	85.3	„	0.1					
11 „	.792	.885	83.2	78.6	4.6	76.9	.82	83.6	85.2	„	0.1					
May 1st-Midnight	.785	.875	83.0	78.6	4.4	77.0	.83	83.4	85.1	WNW	0.0					
1 a m.	.765	.868	82.6	78.2	4.4	76.5	.83	83.2	85.1	„	0.0					
2 „	.756	.863	82.2	78.0	4.2	76.4	.83	82.8	85.0	„	0.0					
3 „	.755	.860	82.0	78.0	4.0	76.5	.84	82.7	84.8	WSW	0.0					
4 „	.767	.878	82.0	77.8	4.2	76.3	.83	82.5	84.8	„	0.0					
5 „	.772	.912	81.5	77.0	4.5	75.2	.82	82.2	84.5	„	0.0					
6 „	.795	.940	82.0	77.0	5.0	75.0	.80	82.0	84.5	„	0.0	None.	None.	None.	None.	None.
7 „	.818	.936	83.2	78.0	5.2	76.0	.80	84.0	84.5	„	0.0					
8 „	.840	.933	86.7	79.5	7.2	76.9	.73	86.2	84.9	SW	0.0					
9 „	.862	.966	88.4	79.7	8.7	76.5	.69	87.3	85.0	„	0.1					
10 „	.850	.962	90.4	80.0	10.4	76.2	.64	88.2	85.4	„	0.1					
11 „	.838	.930	91.2	80.7	10.5	76.9	.64	89.4	85.5	SW b W	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	L	scattered about, moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°6 and 84°9.
5	C	" " "	
2	C	scattered in E.	
0	C	A few clouds in E hor.	
3	C	scattered in E, SE, and N.	
4	D	scattered about, moving N.	
2	D	scattered about hor.	
2	D	" " "	
2	D	scattered about hor., moving W; haze in hor.	
2	L	scattered in E, moving NW.	
0	L	A few clouds in NE and E hor.; fog along E hor.	
0	L	A few fragments of clouds and fog around NE, E, and SE hor.	
1	L	Light about E hor., moving W.	
1	C	" " " "	
2	C	Electrical from NNE to SE hor.; light in E.	
3	C	and as before; a few fleecy clouds in S.	
4	C	and in ESE; fleecy clouds scattered about, moving E.	
3	D	" " " " " " " [6h. 45m.	
6	D	scattered throughout, moving SE; lightning in SE; thunder in E heard at	
5	D	scattered throughout; lightning in NE, E, and SE; clouds moving contrary	
7	D	scattered throughout; lightning in E as before. [to direction of wind.	
4	L	Light scattered about.	
5	L	" " "	
2	L	scattered around hor.	
6	L	Light scattered throughout.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°7 and 84°9.
4	C	scattered about, moving E.	
3	C	" " "	
2	C	" " "	
2	C	A few masses of in NE, E, and SE about hor.	
1	D	A few clouds in hor.	
0	D	" " "	
0	D	A few clouds in W and SW hor.; haze around hor.	
0	D	A few clouds about W hor.; haze along E hor.	
0	L	Light and along W hor.; haze along E hor.	
0	L	" " " " " "	
4	L	Fleecy clouds scattered about, moving NE.	
3	L	" " " " "	
2	C	Fleecy clouds scattered about, moving E.	
2	C	" " " " "	
1	C	A few clouds scattered in E.	
1	C	about hor. from SE to NW.	
1	D	and in NE, E, and SE.	
1	D	" " " "	
3	D	Fleecy clouds scattered about.	
3	D	" " "	
2	L	" " "	
2	L	" " "	
2	L	" " "	
2	L	Fleecy clouds scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°7 and 84°9.
0	C	A few masses of in E.	
1	C	scattered in SE and E.	
2	C	scattered about hor. from NE to SW.	
3	C	" " " " "	
2	D	scattered around hor.	
2	D	around hor., and here and there.	
5	D	around hor.; scattered about, moving N.	
2	D	scattered around hor.; haze along E.	
2	L	" " " " "	
2	L	" " " " "	
3	L	and in N and NE; fleecy clouds around hor., moving W.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 8 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 1st—Noon.	29.820	28.907	92°0	81°0	11°0	77°1	0.63	90°4	85°7	WSW	0.1					
1 p. m.	.803	.902	92.9	81.1	11.8	76.7	.61	91.0	86.2	,,	0.1					
2 ,,	.770	.853	92.8	81.3	11.5	77.2	.62	90.9	86.2	W	0.2					
3 ,,	.755	.859	92.0	80.6	11.4	76.5	.62	90.4	86.5	,,	0.1					
4 ,,	.722	.841	91.0	80.0	11.0	76.0	.62	89.9	86.5	WNW	0.2					
5 ,,	.720	.811	88.4	80.0	8.4	76.9	.69	88.0	86.4	,,	0.1	None.	None.	None.	None.	None.
6 ,,	.750	.831	86.2	78.5	7.7	75.5	.71	86.0	86.2	NW b W	0.2					
7 ,,	.760	.896	84.8	78.0	6.8	75.4	.74	84.2	85.8	,,	0.1					
8 ,,	.783	.912	84.2	78.0	6.2	75.6	.76	84.0	85.5	,,	0.1					
9 ,,	.799	.918	84.0	78.2	5.8	76.0	.78	84.2	85.5	,,	0.1					
10 ,,	.800	.925	83.8	78.0	5.8	75.8	.78	84.0	85.4	WNW	0.1					
11 ,,	.786	.898	83.4	78.2	5.2	76.2	.80	83.7	85.4	,,	0.0					
May 2nd-Midnight	.765	.875	83.2	78.2	5.0	76.3	.80	83.5	85.2	W	0.0					
1 a. m.	.759	.875	83.0	78.0	5.0	76.1	.80	83.5	85.2	,,	0.0					
2 ,,	.737	.848	82.6	78.0	4.6	76.3	.82	83.2	85.2	,,	0.0					
3 ,,	.731	.841	82.5	78.0	4.5	76.3	.82	82.9	85.1	,,	0.0					
4 ,,	.750	.858	82.3	77.7	4.6	76.4	.82	82.9	84.9	,,	0.0					
5 ,,	.763	.872	82.4	78.0	4.4	76.3	.83	83.0	84.8	W b S	0.0					
6 ,,	.782	.891	82.4	78.0	4.4	76.3	.83	83.2	84.7	W	0.0					
7 ,,	.790	.926	84.8	78.0	6.8	75.4	.74	86.0	84.9	,,	0.1					
8 ,,	.816	.902	87.2	79.8	7.4	77.1	.73	87.0	85.1	,,	0.1					
9 ,,	.825	.946	88.8	79.4	9.4	75.9	.67	87.7	85.3	,,	0.1					
10 ,,	.809	.901	90.0	80.4	9.6	76.9	.67	89.0	85.5	,,	0.1					
11 ,,	.804	.926	90.9	79.9	11.0	75.9	.63	89.4	85.7	,,	0.2	None.	None.	None.	None.	None.
Noon.	.787	.892	91.7	80.5	11.2	76.5	.62	90.2	86.0	,,	0.2					
1 p. m.	.764	.865	92.5	80.8	11.7	76.6	.61	91.0	86.2	,,	0.1					
2 ,,	.738	.838	93.2	81.0	12.2	76.6	.60	91.6	86.6	,,	0.1					
3 ,,	.713	.807	92.6	81.0	11.6	76.8	.61	91.2	86.6	W b N	0.1					
4 ,,	.703	.807	91.2	80.4	10.8	76.5	.63	90.8	86.6	,,	0.1					
5 ,,	.688	.784	88.8	80.0	8.8	76.8	.68	88.2	86.4	WNW	0.1					
6 ,,	.711	.820	86.2	79.0	7.2	76.3	.73	85.8	86.3	W b N	0.1					
7 ,,	.721	.817	85.0	79.0	6.0	76.8	.77	85.2	85.9	,,	0.0					
8 ,,	.742	.831	84.4	79.0	5.4	77.0	.79	84.4	85.7	,,	0.0					
9 ,,	.752	.840	84.3	79.0	5.3	77.1	.80	84.4	85.7	W	0.1					
10 ,,	.762	.859	84.0	78.7	5.3	76.7	.80	84.2	85.6	W b N	0.1					
11 ,,	.759	.856	83.6	78.6	5.0	76.7	.81	83.9	85.5	,,	0.1					
May 3rd-Midnight	.741	.832	83.4	78.7	4.7	76.9	.82	83.7	85.4	W b S	0.1					
1 a. m.	.731	.826	83.3	78.6	4.7	76.8	.82	83.6	85.4	WSW	0.0					
2 ,,	.746	.843	83.2	78.5	4.7	76.7	.82	83.6	85.3	SW b S	0.0					
3 ,,	.725	.831	83.0	78.5	5.5	76.4	.79	83.3	85.3	SW	0.0					
4 ,,	.717	.835	82.6	77.8	4.8	76.0	.81	83.0	85.2	,,	0.0					
5 ,,	.724	.836	82.6	78.0	4.6	76.2	.82	82.5	85.1	W b S	0.0					
6 ,,	.738	.852	82.8	78.0	4.8	76.1	.81	83.2	85.0	W	0.0					
7 ,,	.755	.840	84.0	79.0	5.0	77.2	.81	84.2	85.1	,,	0.0					
8 ,,	.783	.880	87.0	79.5	7.5	76.7	.72	86.5	85.3	WNW	0.1					
9 ,,										NW b W						
10 ,,										,,						
11 ,,	.790	.863	91.1	81.1	10.0	77.6	.66	89.6	86.0	,,	0.1	None.	None.	None.	None.	None.
Noon.	.770	.841	91.5	81.2	10.3	77.6	.65	90.2	86.1	,,	0.1					
1 p. m.	.750	.825	91.2	81.1	10.1	77.5	.65	90.2	86.4	,,	0.1					
2 ,,	.722	.795	92.3	81.4	10.9	77.6	.63	90.9	86.6	WNW	0.1					
3 ,,	.710	.788	91.9	81.2	10.7	77.4	.63	90.7	86.6	,,	0.1					
4 ,,	.685	.758	90.3	80.9	9.4	77.6	.67	89.2	86.6	,,	0.2					
5 ,,	.679	.747	88.2	80.5	7.7	77.7	.72	88.0	86.5	,,	0.1					
6 ,,	.693	.789	85.7	79.2	6.5	76.8	.75	86.2	86.3	,,	0.1					
7 ,,	.714	.812	84.3	78.8	5.5	76.7	.79	84.2	86.0	,,	0.1					
8 ,,	.758	.845	84.2	79.0	5.2	77.1	.80	84.2	85.7	,,	0.1					
9 ,,	.798	.883	84.0	79.0	5.0	77.2	.81	84.2	85.6	W	0.1					
10 ,,	.796	.881	84.0	79.0	5.0	77.2	.81	84.2	85.5	WSW	0.1					
11 ,,	.786	.846	83.5	79.0	4.5	77.3	.82	84.0	85.5	SW b W	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	L	and above W and SW hor.; fleecy clouds around hor.	
3	C	scattered about, moving NE.	
5	C	" " " "	
3	C	in E, and scattered about.	
2	C	" " " "	
3	D	scattered about.	
4	D	Electrical clouds along E hor.; and scattered about, the former moving E.	
3	D	Clouded as before; lightning in ESE hor. for every 3m.	
2	D	scattered about hor., moving E.	
2	L	" " " "	
2	L	" " " "	
2	L	" " " "	
3	L	scattered about, moving ESE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°8 and 85°0.
3	C	scattered about from S to NW.	
1	C	and fleecy clouds from NE to S.	
2	C	" " " "	On the 2nd lightning flashing, but the Electrometer not affected.
2	C	" " " "	
7	D	around hor.; otherwise clouded with dense .	
5	D	" " " " " "	
4	D	and around hor.; scattered about; haze along E hor.	
3	D	and scattered about hor., the former moving NE; haze in hor.	
3	L	and around hor.; in W and NW above hor.; fleecy clouds about zth., moving E; haze in hor.	
2	L	and around hor.; fleecy clouds scattered about.	
2	L	" " " " " "	
2	L	" " " " " "	
2	C	and around hor.; otherwise clear.	
4	C	and scattered about hor., the latter moving E.	
3	C	" " " " " "	
2	D	" " " " " "	
3	D	" " " " " "	
2	D	and scattered about hor., the latter moving E; lightning in E hor.	
1	D	scattered around hor.; lightning in E hor.	
1	L	" " " " "	
1	L	" " " " "	
2	L	" " " " "	
1	L	and a few patches of fleecy clouds around hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°8 and 85°0.
1	C	scattered about hor.; a few patches of fleecy clouds in E.	
2	C	and fleecy clouds scattered in E.	
1	C	A bank of clouds from NE to S; in E hor.	On the 3rd, at 9 and 10 A. M., Observations were lost.
0	C	A few fragments of fleecy clouds above hor. from N to S.	
5	D	in hor., and scattered throughout.	
7	D	" " " " "	
6	D	in hor., and scattered throughout, the former moving NW.	
4	D	and scattered about, the latter moving NW; haze in E hor.	
3	L	and in E and SE hor.; scattered about, moving NE.	
6	L	and around hor.; in E above hor.; scattered throughout.	
3	C	in N and NE hor.; and scattered about.	
3	C	and scattered about.	
3	C	in E, and scattered about.	
1	C	Light and fragments of fleecy clouds scattered here and there.	
3	D	-like clouds scattered about, moving E.	
2	D	" " " " "	
2	D	-like clouds around hor., moving E; lightning in ESE hor. for every 25s.	
1	D	-like clouds around hor., moving E; lightning in ESE hor. for every 20s.	
1	D	around hor., moving NE; lightning in ESE hor. for every half minute.	
1	D	scattered around hor., moving E.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 5th–Midnight	29.770	28.865	82°8	78°2	3°6	76°8	0.86	83°2	85°3	NW b W	0.0					
1 a. m.	.756	.869	82.7	78.0	4.7	76.2	.81	83.2	85.3	Calm	0.0					
2 „	.749	.854	82.2	77.8	4.4	76.1	.82	82.6	85.1	„	0.0					
3 „	.745	.851	81.7	77.9	3.8	76.4	.85	82.2	85.0	„	0.0					
4 „	.756	.881	81.6	77.4	4.2	75.8	.83	82.1	84.9	„	0.0					
5 „	.779	.919	81.5	77.0	4.5	75.2	.82	82.2	84.8	„	0.0					
6 „	.796	.930	81.0	77.0	4.0	75.4	.84	82.5	84.6	„	0.0					
7 „	.811	.927	83.0	78.0	5.0	76.1	.80	83.4	84.5	W b N	0.0					
8 „	.811	.929	87.0	79.0	8.0	76.0	.71	87.2	84.9	W b S	0.0					
9 „	.818	.930	88.8	79.6	9.2	76.2	.67	87.5	85.2	„	0.1					
10 „	.822	.929	89.8	80.0	9.8	76.4	.66	88.2	85.5	W	0.1					
11 „	.814	.933	91.0	80.0	11.0	76.0	.63	89.2	85.7	„	0.1	None.	None.	None.	None.	None.
Noon.	.799	.915	91.6	80.1	11.5	76.1	.61	90.0	85.8	WNW	0.1					
1 p. m.	.771	.901	92.0	80.0	12.0	75.6	.60	90.4	86.2	„	0.1					
2 „	.758	.869	93.0	80.7	12.3	76.3	.59	91.2	86.5	„	0.1					
3 „	.734	.853	93.0	80.5	12.5	76.0	.59	91.2	86.6	NW b W	0.1					
4 „	.716	.835	91.8	80.3	11.5	76.0	.61	90.2	86.7	„	0.1					
5 „	.712	.812	89.2	80.0	9.2	76.6	.67	88.3	86.4	„	0.0					
6 „	.724	.733	86.2	79.0	7.2	76.3	.73	88.0	86.3	„	0.1					
7 „	.745	.883	85.0	78.0	7.0	75.3	.74	84.4	86.1	WNW	0.0					
8 „	.774	.903	84.2	78.0	6.2	75.6	.76	84.2	85.9	„	0.0					
9 „	.815	.956	83.8	77.6	6.2	75.2	.76	84.0	85.6	„	0.0					
10 „	.822	.963	83.8	77.6	6.2	75.2	.76	84.0	85.6	SSE	0.0					
11 „	.802	.943	83.8	77.6	6.2	75.2	.76	83.7	85.5	S b E	0.0					
May 6th–Midnight	.771	.925	83.2	77.1	6.1	74.7	.76	83.4	85.3	SSW	0.1					
1 a. m.	.746	.883	83.0	77.5	5.5	75.3	.78	83.0	85.3	W b N	0.1					
2 „	.734	.882	82.6	77.1	5.5	74.9	.78	82.8	85.2	NW b W	0.1					
3 „	.726	.848	82.4	77.7	4.7	75.9	.81	82.6	84.9	NW b N	0.1					
4 „	.728	.835	82.2	78.0	4.2	76.4	.83	82.4	84.9	NNW	0.1					
5 „	.753	.898	82.0	77.0	5.0	75.0	.80	82.2	84.8	N b W	0.0					
6 „	.777	.884	82.2	78.0	4.2	76.4	.83	82.4	84.7	„	0.0					
7 „	.787	.872	84.0	79.0	5.0	77.2	.81	84.2	84.8	„	0.0					
8 „	.812	.908	85.0	79.0	6.0	76.8	.77	86.0	85.0	„	0.1					
9 „	.820	.921	87.8	79.6	8.2	76.6	.70	86.7	85.1	„	0.1					
10 „	.817	.930	88.5	79.5	9.0	76.2	.68	87.6	85.3	NW	0.1					
11 „	.825	.929	90.4	80.2	10.2	76.5	.65	88.7	85.6	„	0.1	None.	None.	None.	None.	None.
Noon.	.813	.919	91.0	80.3	10.7	76.4	.63	89.2	85.8	„	0.1					
1 p. m.	.775	.898	92.4	81.0	11.4	75.8	.62	90.7	86.2	WNW	0.2					
2 „	.747	.863	92.7	80.5	12.2	76.1	.59	91.0	86.5	„	0.2					
3 „	.727	.841	91.1	79.4	11.7	76.1	.60	89.8	86.4	NW b W	0.3					
4 „	.709	.794	89.8	80.5	9.3	77.2	.67	88.8	86.4	„	0.2					
*5 „	.718	.849	88.2	79.0	9.2	75.5	.67	88.0	86.2	NW	0.1					
6 „	.730	.830	85.4	79.0	6.4	76.6	.76	85.8	86.0	„	0.1					
7 „	.753	.880	84.0	78.0	6.0	75.7	.77	84.2	85.7	„	0.1					
8 „	.760	.883	83.6	78.0	5.6	75.8	.78	83.7	85.6	„	0.1					
9 „	.767	.895	83.0	77.7	5.3	75.6	.79	83.2	85.4	„	0.1					
10 „	.790	.926	83.0	77.5	5.5	75.4	.79	83.2	85.3	„	0.0					
11 „	.784	.909	82.7	77.7	5.0	75.8	.80	83.0	85.2	„	0.0					
May 7th–Midnight	.777	.907	82.5	77.5	5.0	75.6	.80	82.9	85.1	NW	0.0					
1 a. m.	.771	.920	82.4	77.0	5.4	74.9	.78	82.7	85.0	WSW	0.0					
2 „	.769	.916	82.2	77.0	5.2	75.0	.79	82.7	85.0	„	0.0					
3 „	.767	.914	82.2	77.0	5.2	75.0	.79	82.6	84.9	SW	0.0					
4 „	.763	.917	81.7	76.7	5.0	74.7	.80	82.2	84.8	Calm.	0.0					
5 „	.769	.914	82.0	77.0	5.0	75.0	.80	82.2	84.7	„	0.0					
6 „	.772	.921	82.4	77.0	5.4	74.9	.79	82.4	84.6	„	0.0	None.	None.	None.	None.	None.
7 „	.794	.921	84.0	78.0	6.0	75.7	.77	84.2	84.7	„	0.0					
8 „	.815	.935	87.2	79.0	8.2	75.8	.70	87.0	84.9	„	0.0					
9 „	.817	.953	88.6	79.0	9.6	75.4	.66	87.2	85.2	„	0.0					
10 „	.813	.945	90.2	79.5	10.7	75.5	.63		85.4	WNW	0.1					
11 „	.807	.949	92.3	79.8	12.5	75.1	.58	90.0	86.0	NW	0.1					

* This Observation was taken 20m. after the proper time.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	L	Dense scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°1.
2	C	" " " "	
1	C	Fleecy clouds scattered from N to S.	
0	C	A few patches of above E hor., and fleecy clouds in NE, E, and SE hor.	
1	C	A few in W, moving E.	
4	D	scattered about.	
4	D	" "	
8	D	in hor., and scattered throughout.	
3	D	in hor., moving NE; scattered about. [along E hor.	
4	L	around hor. except in SW; a few patches of fleecy clouds near zth.; and	
3	L	and from NW to S hor.; scud in NW and W; and above E hor.	
3	L	Fleecy and in E hem.; scud above NW and W hor.	
3	L	around hor.; above E hor.; scattered here and there.	
2	C	and scattered about, moving E.	
5	C		
3	C	" " " " "	
		" " " " "	
4	C	and fleecy clouds scattered about.	
2	D		
2	D	" " " "	
		" " " "	
2	D	A few fragments of clouds here and there; lightning in NE and E hor.	
1	D	around hor.; lightning in E and NE hor.	
1	L		
		" " " " "	
1	L	around hor.	
0	L	A few masses of about E hor.	
1	L	dispersed in E hem.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°1.
0	C		
0	C	" " "	On the 6th there were three Maxima and three Minima apparent in the Diurnal curve of the Barometer.
0	C	" " "	
0	C	" " "	
4	C	Dense clouds from N to S above hor.	
8	D	Overcast with dense .	
7	D	in hor., otherwise clouded with .	
5	D	around hor., moving E; scattered about.	
4	D	and scattered about, the former moving NE.	
5	L	along E hor.; scattered about, moving N.	
6	L	along E hor.; scattered about, moving W.	
3	L	along E hor.; scattered about, moving N.	
1	L	in hor.; and in E.	
0	C	" " "	
1	C	scattered around hor.; in E.	
1	C	and scattered around hor.	
1	C	" " " "	
3	D	Light scattered around hor.	
3	D	Fleecy clouds scattered around hor., moving E. [in E.	
7	D	Densely clouded with fleecy clouds and , the former moving E; lightning	
2	D	scattered about; constant lightning in E.	
3	L	Fleecy clouds scattered about.	
2	L	Fleecy clouds scattered about; constant lightning in E. [lightning in E.	
2	L	above NE and E hor.; fleecy clouds scattered here and there; constant	
2	L	around hor.; constant lightning in NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°1.
1	C	" " " " "	
3	C	in E hem., moving W.	On the 7th the Evening Maximum happened a little later than its Normal time. At 10 A. M. the Ground Thermometer, being affected by the Sun, was not observed.
1	C	Masses of in W, and a few about E hor.	
0	C	around hor.; in E.	
3	D	around hor.; scattered about.	
4	D	in hor., moving E; scattered about.	
4	D	" " " " "	
5	D	and scattered about, the former moving E.	
3	L	and around hor.; scattered about, except in SW.	
2	L	" " " " " " "	
4	L	in SE, S, and SW; in NE and E hor.; scattered in NW, N, and NE.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 7th—Noon.	29.787	28.917	91°6	79°9	11°7	75°6	0.61	90°2	86°0	NW b N	0.1					
1 p. m.	.762	.890	91.8	80.0	11.8	75.6	.60	90.2	86.4	WNW	0.1					
2 „	.736	.867	92.8	80.2	12.6	75.5	.58	91.4	86.6	„	0.1					
3 „	.716	.846	93.0	81.0	12.0	75.6	.60	91.7	86.8	„	0.2					
4 „	.703	.824	92.2	81.0	11.2	75.9	.62	91.2	86.9	„	0.2					
5 „	.706	.808	89.4	80.0	9.4	76.6	.66	88.6	86.8	„	0.2					
6 „	.714	.825	86.4	79.0	7.4	76.3	.72	86.2	86.5	„	0.1	None.	None.	None.	None.	None.
7 „	.748	.889	84.8	78.0	6.8	75.4	.77	84.3	86.3	W b S	0.1					
8 „	.762	.913	84.0	77.4	6.6	74.8	.75	84.2	86.0	WSW	0.0					
9 „	.767	.904	83.4	77.6	5.8	75.3	.78	84.0	85.8	SW	0.1					
10 „	.768	.919	83.3	77.2	6.1	74.8	.76	83.8	85.6	„	0.1					
11 „	.771	.933	82.8	76.8	6.0	74.4	.77	83.4	85.5	„	0.0					
May 8th—Midnight	.765	.955	82.5	76.0	6.5	73.3	.75	82.9	85.3	SW	0.0					
1 a. m.	.757	.945	82.4	76.0	6.4	73.4	.75	82.8	85.3	Calm.	0.0					
2 „	.747	.931	82.0	76.0	6.0	73.6	.76	82.6	85.2	„	0.0					
3 „	.738	.915	81.5	76.0	5.5	73.8	.78	82.0	85.0	„	0.0					
4 „	.732	.909	81.4	76.0	5.4	73.8	.79	82.0	84.9	„	0.0					
5 „	.749	.924	81.2	76.0	5.2	73.9	.79	82.0	84.8	„	0.0					
6 „	.767	.940	81.0	76.0	5.0	74.0	.80	82.0	84.6	„	0.0					
7 „	.773	.931	86.8	78.0	8.8	74.6	.68	85.8	84.8	SW	0.1					
8 „	.791	.926	88.5	79.0	9.5	75.4	.66	88.4	85.3	SE	0.0					
9 „	.781	.921	89.0	79.0	10.0	75.2	.65	87.8	85.4	S	0.1					
10 „	.775	.938	88.8	78.4	10.4	74.4	.64	87.8	85.5	SW b W	0.0					
11 „	.768	.967	88.4	77.4	11.0	73.0	.62	88.2	85.6	WSW	0.1					
Noon.	.756	.882	91.6	80.0	11.6	75.7	.61	89.9	85.9	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.735	.879	93.3	80.0	13.3	75.1	.56	91.6	86.3	W b N	0.1					
2 „	.717	.862	93.4	80.0	13.4	75.0	.56	91.6	86.5	„	0.1					
3 „	.695	.825	92.0	80.0	12.0	75.6	.60	90.8	86.5	WNW	0.2					
4 „	.676	.799	91.4	80.0	11.4	75.8	.61	90.5	86.6	„	0.2					
5 „	.691	.831	89.0	79.0	10.0	75.2	.65	88.2	86.5	„	0.1					
6 „	.704	.864	86.2	78.0	8.2	74.4	.70	86.4	86.3	„	0.1					
7 „	.727	.862	84.7	78.0	6.7	75.4	.74	85.2	86.0	„	0.1					
8 „	.747	.874	84.0	78.0	6.0	75.7	.77	84.2	85.7	W b S	0.1					
9 „	.752	.900	83.8	77.4	6.4	74.9	.76	84.0	85.7	„	0.1					
10 „	.754	.906	83.4	77.2	6.2	74.8	.76	83.6	85.6	„	0.0					
11 „	.749	.905	83.0	77.0	6.0	74.6	.77	83.5	85.5	„	0.1					
May 9th—Midnight	.739	.906	82.6	76.6	6.0	74.2	.77	83.2	85.3	W b S	0.1					
1 a. m.	.732	.897	82.4	76.6	5.8	74.3	.77	83.0	85.3	„	0.1					
2 „	.730	.897	82.2	76.5	5.7	74.2	.77	82.7	85.2	„	0.0					
3 „	.736	.914	81.8	76.1	5.7	73.8	.77	82.2	85.1	„	0.0					
4 „	.738	.918	81.6	76.0	5.6	73.7	.78	82.2	85.0	„	0.0					
5 „	.753	.930	81.4	76.0	5.4	73.8	.78	82.0	84.8	„	0.0					
6 „	.760	.941	81.8	76.0	5.8	73.7	.77	82.2	84.7	WSW	0.0					
7 „	.771	.938	84.0	77.0	7.0	74.2	.73	84.7	84.9	„	0.0					
8 „	.779	.923	87.5	78.8	8.7	75.1	.68	88.0	85.1	S b W	0.0					
9 „	.780	.890	88.6	79.6	9.0	76.3	.68	87.2	85.3	„	0.1					
10 „	.771	.957	90.1	78.2	11.9	73.5	.59	88.2	85.5	WSW	0.1					
11 „	.758	.920	91.0	79.0	12.0	74.4	.59	89.2	85.7	W	0.2					
Noon.	.742	.897	92.3	79.5	12.8	74.7	.58	90.6	86.0	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.718	.855	92.6	80.0	12.6	75.3	.58	91.2	86.4	WNW	0.1					
2 „	.703	.842	92.8	80.0	12.8	75.2	.58	91.3	86.5	„	0.1					
3 „	.685	.823	92.7	80.0	12.7	75.3	.58	91.4	86.6	„	0.2					
4 „	.668	.775	91.6	80.2	11.4	76.0	.62	90.2	86.7	„	0.2					
5 „	.678	.811	88.4	79.0	9.4	75.5	.66	87.8	86.4	NW b W	0.2					
6 „	.690	.817	87.8	79.0	8.8	75.7	.69	87.4	86.2	„	0.1					
7 „	.718	.853	84.8	78.0	6.7	75.4	.74	84.2	85.9	NW	0.1					
8 „	.742	.869	84.0	78.0	6.0	75.7	.77	84.2	85.7	„	0.1					
9 „	.751	.894	83.7	77.5	6.2	75.1	.76	83.9	85.6	NW b W	0.2					
10 „	.762	.899	83.4	77.6	5.8	75.3	.78	83.6	85.6	„	0.1					
11 „	.761	.917	83.0	77.0	6.0	74.6	.77	83.2	85.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀∩ nimbi.	
3	L	∩ and ≀≀ N to W; light ≀ scattered about zth., moving E.	
2	C	" " " " " " "	
1	C	≀≀ scattered about hor. from N to SE.	
3	C	" " " " "	
2	C	∩ in N and NE, and ≀≀ around hor.	
3	D	∩ in N and NE hor.; ≀≀ around hor., and ≀ here and there.	
4	D	≀≀ scattered about, moving NE.	
3	D	Clouded as per last hour; lightning in NE and SE hor.	
2	D	≀≀ scattered about hor.; lightning in NE hor.	
2	L	" " " " "	
2	L	" " " " "	
2	L	≀≀ scattered around hor. and W, moving slowly S.	
2	L	Fleecy clouds and scud around hor.; a few ≀— in S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°1 and 85°4.
1	C	Fleecy clouds scattered about hor.	
1	C	" " " "	
3	C	" " " "	
2	C	" " " "	
3	D	≀— in hor., and ≀≀ scattered throughout.	On the 8th the morning Maximum occurred a little earlier than its Normal time. At 11 A.M. the Temperature of Wet Bulb Thermometer fell 1° in one hour and rose 2°6 the next hour.
3	D	≀≀ and light ≀— scattered about, moving E.	
4	D	" " " " "	
2	D	" " " " "	
1	L	≀≀ and fleecy ∩ about hor., the former moving E.	
0	L	Fleecy ∩ above W, N, and NE hor., and ≀≀ above SE hor.	
0	L	≀ about E hor., and fleecy ∩ above N and E hor.	
0	L	≀≀ and ≀ scattered around hor.	
0	C	A few clouds in E and S above hor.	
0	C	" " " "	
0	C	A solitary cloud in E.	
0	C	A few patches of clouds in E and NE.	
1	D	Patches of ≀≀ scattered about, moving E.	
2	D	" " " " "	
3	D	Fleecy clouds scattered about, moving E; lightning in SE hor.	
4	D	" " " " " " "	
1	L	Fleecy clouds and ≀≀ around hor., and in W and SW above it.	
2	L	" " " " " " "	
2	L	≀≀ scattered about, except in zth.	
2	L	Patches of ≀≀ scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°2 and 85°5.
2	C	Patches of ≀≀ scattered about, moving E.	
3	C	" " " " "	
1	C	≀≀ scattered in N and S.	
1	C	Patches of ≀≀ in E and S.	On the 9th the morning Minimum occurred a little earlier than its Normal time.
1	D	≀— scattered around hor., moving E.	
2	D	Masses of ≀— scattered about, moving E.	
3	D	" " " " "	
4	D	≀≀ in E and SE above hor.; ≀— scattered about, moving E.	
3	L	∩ in NE; light ≀— in N; ≀≀ scattered here and there.	
2	L	≀ and ≀≀ scattered in S hem.	
2	L	≀ scattered in E hem.	
2	L	" " "	
2	C	≀≀ scattered in E hem.	
1	C	" " "	
0	C	A few patches of ≀≀ in E.	
0	C	A few clouds in hor.	
0	D	" " "	
3	D	Fleecy clouds scattered about, moving E; lightning in E every 12s.	
4	D	" " " " " " " "	
2	D	" " " " " " " "	
2	L	Fleecy clouds and ≀≀ scattered about hor., both moving E.	
1	L	" " " " " " "	
1	L	" " " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawe of Volta 1.	Readings of Strawe of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 10th-Midnight	29.747	28.901	82°8	77°0	5°8	74°7	0.77	83°2	85°4	NW b W	0.0					
1 a. m.	.745	.896	83.5	77.0	5.5	74.8	.78	82.7	85.2	Calm.	0.0					
2 „	.735	.892	82.0	76.7	5.3	74.6	.79	82.3	85.1	„	0.0					
3 „	.734	.889	81.8	76.7	5.1	74.7	.80	82.2	85.1	„	0.0					
4 „	.740	.885	82.0	77.0	5.0	75.0	.80	82.2	85.0	„	0.0					
5 „	.749	.889	81.5	77.0	4.5	75.2	.82	82.2	85.0	„	0.0					
6 „	.767	.912	82.0	77.0	5.0	75.0	.80	82.4	84.9	„	0.0					
7 „	.784	.937	86.4	78.0	8.4	74.7	.69	85.6	84.8	„	0.0					
8 „	.804	.933	88.0	79.0	9.0	75.6	.68	87.2	85.2	SW	0.0					
9 „	.811	.958	89.6	79.0	10.6	75.0	.63	87.6	85.5	„	0.0					
10 „	.807	.939	90.6	79.6	11.0	75.5	.62	88.8	85.8	SW b W	0.0					
11 „	.803	.926	91.0	79.9	11.1	75.8	.62	89.6	85.8	WNW	0.1					
Noon.	.783	.913	92.0	80.0	12.0	75.6	.60	90.2	86.0	W b N	0.2	None.			None.	
1 p. m.	.752	.882	92.4	80.1	12.3	75.6	.59	90.7	86.3	WNW	0.3					
2 „	.737	.851	92.5	80.5	12.0	76.1	.60	91.2	86.5	„	0.2		Pos.	0.1		Above 10m.
3 „	.722	.842	92.2	80.3	11.9	75.9	.60	91.0	86.8	„	0.2					
4 „	.709	.826	91.6	80.2	11.4	76.0	.61	90.6	86.8	„	0.2					
5 „	.717	.815	89.0	80.0	9.0	76.7	.68	88.8	86.6	„	0.2					
6 „	.736	.828	86.1	79.4	6.7	76.9	.75	86.2	86.2	NW b W	0.3					
7 „	.756	.867	84.8	78.6	6.2	76.3	.76	85.0	86,0	NW	0.2					
8 „	.768	.895	84.0	78.0	6.0	75.7	.77	84.2	85.8	„	0.2					
9 „	.777	.904	83.8	78.0	5.8	75.7	.78	84.0	85.8	NW b N	0.2					
10 „	.793	.913	83.4	78.0	5.4	75.9	.79	83.8	85.6	„	0.1					
11 „	.786	.904	83.2	78.0	5.2	76.0	.79	83.7	85.6	„	0.1					
May 12th-Midnight	.746	.866	82.6	77.8	4.8	75.9	.81	83.0	85.1	NW b N	0.2					
1 a. m.	.734	.873	82.2	77.2	5.0	75.2	.80	82.7	85.1	„	0.1					
2 „	.730	.858	82.2	77.5	4.7	75.6	.81	82.6	85.1	NW	0.1		Pos.	2.0		Above 10m.
3 „	.726	.857	82.1	77.4	4.7	75.5	.81	82.5	85.0	„	0.2		Pos.	1.5		Above 10m.
4 „	.720	.847	81.8	77.4	4.4	75.7	.82	82.2	84.8	„	0.0		Pos.	1.5		Above 10m.
5 „	.724	.864	81.5	77.0	4.5	75.2	.82	82.3	84.7	NW b N	0.0					
6 „	.735	.842	82.2	78.0	4.2	76.4	.83	83.2	84.6	„	0.0					
7 „	.765	.896	84.4	78.0	6.4	75.5	.75	84.4	84.9	„	0.0					
8 „	.780	.878	85.2	79.0	6.2	76.7	.76	85.2	85.1	„	0.1					
9 „	.788	.881	87.8	79.8	8.0	76.9	.71	87.0	85.1	NW	0.1					
10 „	.789	.884	88.7	80.0	8.7	76.8	.70	87.9	85.5	NW b W	0.1					
11 „	.770	.881	90.3	80.0	10.3	76.3	.65	89.2	85.6	WNW	0.1	None.			None.	
Noon.	.758	.881	91.4	80.0	11.4	75.8	.62	90.2	86.0	„	0.3					
1 p. m.	.722	.829	91.5	80.4	11.1	76.4	.62	90.2	86.3	NNW	0.2		Pos.	1.0		Above 10m.
2 „	.708	.834	91.6	81.0	11.6	75.7	.61	90.6	86.4	„	0.6					
3 „	.698	.773	91.0	81.0	10.0	77.5	.65	90.2	86.5	„	0.5					
4 „	.687	.757	90.4	81.0	9.4	77.7	.67	89.7	86.5	„	0.5		Pos.	0.5		Above 10m.
5 „	.678	.763	87.8	80.0	7.8	77.2	.71	88.2	86.4	„	0.4					
6 „	.684	.746	85.7	80.0	5.7	77.9	.78	86.0	86.2	„	0.1					
7 „	.714	.805	84.5	79.0	5.5	76.9	.79	84.2	85.8	„	0.2					
8 „	.719	.806	84.2	79.0	5.2	77.1	.80	84.2	85.6	„	0.1					
9 „	.733	.816	83.8	79.0	4.8	77.2	.81	84.2	85.6	„	0.2					
10 „	.756	.851	83.4	78.6	4.8	76.8	.81	84.0	85.5	„	0.0					
11 „	.746	.839	83.2	78.6	4.6	76.9	.82	83.7	85.5	„	0.0					
May 13th-Midnight	.725	.839	82.8	78.0	4.8	76.1	.81	83.4	85.4	NNW	0.0					
1 a. m.	.721	.833	82.6	78.0	4.6	76.2	.81	83.2	85.2	Calm	0.0					
2 „	.713	.837	82.2	77.6	4.6	75.8	.82	82.8	85.1	„	0.0					
3 „	.711	.852	81.6	77.0	4.6	75.2	.82	82.5	85.0	„	0.0					
4 „	.715	.859	81.4	77.0	4.4	75.1	.82	82.3	84.9	„	0.0					
5 „	.733	.867	81.0	77.0	4.0	75.4	.84	82.0	84.8	„	0.0					
6 „	.751	.854	81.8	78.0	3.8	76.5	.85	82.4	84.5	„	0.0	None.	None.	None.	None.	None.
7 „	.775	.879	85.7	79.0	6.7	76.5	.74	84.9	84.9	W b N	0.0					
8 „	.801	.868	86.2	80.0	6.2	77.8	.77	86.4	85.1	„	0.0					
9 „	.813	.911	88.6	79.9	8.7	76.7	.69	87.7	85.3	WNW	0.1					
10 „	.811	.905	89.8	80.3	9.5	76.8	.67	88.7	85.5	NW	0.1					
11 „	.800	.915	90.6	80.0	10.6	76.1	.64	89.4	85.7	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∿ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∿≀ nimbi.	
2	L	∿≀ scattered around hor., and in E and W above it.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°2 and 85°5.
2	C	∿≀ and ∿≀ about E hor.	
1	C	" " "	
2	C	∿≀ scattered about hor.	
2	C	" " "	
1	D	A few masses of ∿≀ in E and SE.	
1	D	∿≀ scattered around hor.	
2	D	∿≀ scattered around hor., moving E.	
2	D	" " " "	
2	C	∿≀ scattered here and there, moving E.	
2	C	" " " "	
0	L	Fleecy ∩≀ in N and E hor.; ≀ above E hor.	
1	L	Fleecy clouds and ≀ in NE and N.	
0	L	" " " "	
0	L	A few ≀ above E hor.	
0	C	" " "	
0	C	" " "	
2	C	∿≀ scattered about, moving E.	
3	C	" " "	
6	C	" " "	
5	C	" " "	
4	C	" " "	
3	C	" " "	
2	C	" " "	
3	L	∿≀ and fleecy clouds scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°3 and 85°6.
2	C	∿≀ in SE and E hor.; ∿≀ scattered about here and there.	
3	C	" " " " " "	
3	C	Light ∿≀ scattered around hor.; ∿≀ about E hem.	
2	C	" " " " " "	
3	D	∿≀ scattered about, moving E.	
3	D	∿≀ scattered about, moving NE.	
2	D	" " " "	
2	D	∿≀ scattered about hor.	
3	L	Masses of ∿≀ scattered rather densely about hor., moving E.	
3	L	" " " " " "	
1	L	∩≀ in N, NE, and E hor.; light ∿≀ above E hor.	
1	L	" " " " " "	
1	C	∩≀ in NE and E; ∿≀ along W hor., moving E.	
3	C	Electrical ∩≀ in E hem.; a few patches of clouds moving E.	
2	C	Electrical ∩≀ in E hem.	
2	C	Electrical ∩≀ in NE and E; fleecy clouds in W, moving E.	
2	D	∩≀ and fleecy clouds in the sky as before.	
3	D	" " " " "	
4	D	∿≀ scattered about, moving E; lightning in ESE hor. at intervals of 10s.	
5	D	" " " " " " " "	
5	L	∿≀ scattered about, except in zth., moving SE.	
4	L	" " " " "	
2	L	" " " " "	
2	L	Light masses of ∿≀ scattered about, except in zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°5 and 85°6. On the 13th the Evening Maximum of Barometer occurred a little later than usual.
2	C	Light ∿≀ scattered about, moving E.	
1	C	∿≀ around hor.; a few small masses here and there.	
1	C	" " " " " "	
1	C	" " " " " "	
2	D	Light ∿≀ around hor., moving E.	
2	D	Light ∿≀ around hor., moving NE.	
2	D	" " " "	
3	D	" " " "	
3	L	∩≀ around hor., except in SW; ∿≀ scattered about, moving E.	
2	L	" " " " " " " "	
1	L	Fleecy clouds scattered around hor.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 13th–Noon.	29.778	28.860	91°5	81°0	10°5	77°3	0.64	90°2	86°0	NW b N	0.1					
1 p. m.	.759	.860	92.4	80.8	11.6	76.6	.61	91.0	86.4	NW	0.1					
2 „	.740	.860	92.1	81.0	11.1	75.9	.62	91.0	86.6	„	0.3		Pos.	1.0		Above 10m.
3 „	.726	.845	91.0	81.0	10.0	76.0	.65	90.5	86.5	„	0.4		Pos.	1.0		Above 10m.
4 „	.709	.794	90.4	80.9	9.5	77.2	.65	89.8	86.5	„	0.4					
5 „	.714	.786	88.2	80.4	7.8	77.6	.71	88.2	86.6	„	0.2					
6 „	.737	.802	86.0	80.0	6.0	77.8	.77	86.4	86.4	„	0.3	None.			None.	
7 „	.750	.843	84.7	79.0	5.7	76.9	.78	85.0	85.9	„	0.2					
8 „	.765	.850	84.0	79.0	5.0	77.2	.80	84.2	85.7	NNW	0.1					
9 „	.779	.840	83.8	79.5	4.3	78.0	.83	84.2	85.6	NW b N	0.2					
10 „	.789	.869	83.5	79.0	4.5	77.3	.82	83.7	85.6	„	0.1					
11 „	.797	.873	83.2	79.0	4.2	77.5	.83	83.6	85.5	„	0.1					
May 14th–Midnight	.783	.878	83.0	78.5	4.5	76.8	.81	83.6	85.4	NW b N	0.1					
1 a. m.	.771	.896	82.7	77.7	5.0	75.8	.80	83.3	85.3	„	0.1					
2 „	.756	.905	82.4	77.0	5.4	74.9	.79	83.0	85.2	NNW	0.1					
3 „	.746	.880	82.4	77.4	5.0	75.5	.80	83.0	85.2	„	0.2					
4 „	.753	.888	82.2	77.3	4.9	75.5	.80	82.8	85.0	„	0.1					
5 „	.762	.907	82.0	77.0	5.0	75.0	.80	82.2	84.8	„	0.1					
6 „	.780	.933	82.7	77.0	5.7	74.7	.78	82.4	84.9	„	0.1					
7 „	.798	.946	85.8	78.0	7.8	74.9	.71	86.0	85.0	N b W	0.1					
8 „	.821	.943	87.4	79.0	8.4	75.9	.69	87.4	85.4	„	0.1					
9 „	.823	.961	88.8	79.0	9.8	75.3	.66	88.0	85.5	„	0.1					
10 „	.816	.918	90.2	80.2	10.0	76.6	.65	87.2	85.7	NNW	0.1					
11 „	.813	.924	91.0	80.2	10.8	76.3	.63	89.4	86.0	NW b N	0.2	None.			None.	
Noon.	.804	.890	91.7	80.7	11.0	77.1	.63	90.4	86.2	„	0.2					
1 p. m.	.798	.882	92.0	80.6	11.4	76.5	.62	90.6	86.5	WNW	0.2					
2 „	.764	.871	92.6	80.7	11.9	76.4	.60	91.0	86.7	„	0.2					
3 „	.750	.847	92.0	80.8	11.2	76.7	.62	90.8	86.8	„	0.3					
4 „	.746	.861	91.4	80.2	11.2	76.1	.62	90.6	86.8	„	0.2					
5 „	.749	.849	89.2	80.0	9.2	76.6	.67	88.4	86.7	„	0.3					
6 „	.762	.856	86.8	79.5	7.3	76.8	.73	87.0	86.5	NW b W	0.1					
7 „	.774	.872	85.2	79.0	6.2	76.7	.76	85.0	86.2	WNW	0.1					
8 „	.794	.909	84.8	78.5	6.3	76.1	.76	84.4	86.0	NW b W	0.1					
9 „	.800	.896	84.6	78.9	5.7	76.8	.78	84.6	86.0	„	0.1					
10 „	.806	.943	84.2	77.8	6.4	75.3	.76	84.4	85.8	„	0.1		Pos.	1.0		Above 10m.
11 „	.799	.926	84.0	78.0	6.0	75.7	.77	84.4	85.7	„	0.1		Pos.	1.0		Above 10m.
May 15th–Midnight	.774	.905	83.6	77.8	5.8	75.5	.78	84.0	85.5	NW	0.1		Pos.	2.0		Above 10m.
1 a. m.	.750	.890	83.3	77.5	5.8	75.2	.77	83.8	85.5	„	0.1		Pos.	2.0		Above 10m.
2 „	.731	.897	82.8	76.7	6.1	74.3	.76	83.2	85.2	„	0.1		Pos.	2.0		Above 10m.
3 „	.727	.881	82.8	77.0	5.8	74.7	.77	83.2	85.2	NW b N	0.2		Pos.	1.0		Above 10m.
4 „	.726	.875	82.4	77.0	5.4	74.9	.79	83.2	85.1	„	0.1					
5 „	.739	.923	82.0	76.0	6.0	73.6	.77	82.2	85.0	„	0.1					
6 „	.766	.918	82.6	77.0	5.6	74.8	.78	83.4	85.0	NNW	0.0					
7 „	.792	.952	85.2	77.5	7.7	74.5	.71	85.0	85.1	„	0.1					
8 „	.812	.937	87.6	79.0	8.6	75.8	.69	87.0	85.4	„	0.1					
9 „	.814	.963	89.1	78.8	10.3	74.9	.64	88.2	85.6	NW b W	0.1					
10 „	.811	.966	89.8	78.6	11.2	74.7	.61	88.8	85.8	„	0.1					
11 „	.802	.943	91.0	79.5	11.5	75.2	.61	89.8	86.0	„	0.1	None.			None.	
Noon.	.781	.898	92.0	80.3	11.7	76.0	.61	90.7	86.2	WNW	0.2					
1 p. m.	.758	.863	92.8	80.8	12.0	76.5	.60	91.6	86.6	NW b W	0.1					
2 „	.728	.866	93.1	80.1	13.0	75.3	.57	91.7	86.8	WNW	0.2					
3 „	.710	.821	93.0	80.7	12.3	76.3	.59	91.8	87.0	„	0.2					
4 „	.691	.788	91.8	80.3	11.0	76.7	.63	91.0	86.9	„	0.2					
5 „	.688	.777	89.8	80.4	9.4	77.0	.67	89.2	86.8	NW b W	0.3					
6 „	.706	.778	87.0	79.6	7.4	76.9	.73	87.0	86.6	„	0.1					
7 „	.715	.793	85.2	79.5	5.7	77.4	.78	85.6	86.4	„	0.1					
8 „	.729	.821	84.6	79.0	5.6	76.9	.78	85.2	86.2	„	0.2					
9 „	.746	.875	84.2	78.0	6.2	75.6	.76	84.7	86.1	„	0.1					
10 „	.748	.873	83.8	78.0	5.8	75.8	.77	84.2	85.9	„	0.1					
11 „	.747	.887	83.7	77.6	6.1	75.2	.77	84.0	85.7	NW	0.0		Pos.	2.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀ nimbi.	
1	L	A few ≀ in E; fleecy clouds scattered around hor.	
1	C	≀ in E; a few patches of fleecy clouds moving E.	
1	C	" " " " " "	
4	C	≀ in E; fleecy clouds scattered about, moving E.	
2	C	≀ in E and NE; fleecy clouds in W, floating E.	
2	D	≀ in NE and E; fleecy clouds scattered around hor., moving E.	
3	D	≀ and fleecy clouds scattered around hor., moving E.	
2	D	Fleecy clouds scattered about hor., moving NE.	
3	D	Fleecy clouds scattered about hor., moving E.	
4	L	" " " " "	
4	L	" " " " ; a few patches of clouds about zth.	
6	L	Light ≀≀ scattered about, moving E.	
5	L	Light ≀≀ scattered throughout, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°6 and 85°7.
4	C	" " " " "	
3	C	" " " " "	
3	C	≀≀ scattered about, moving E.	On the 14th the Range of Barometer was 0.077 in., the lowest in the month.
3	C	" " " "	
2	D	≀≀ around hor.	
4	D	≀≀ and ≀ scattered about.	
4	D	≀≀ and ≀ scattered about, the former moving E; haze in hor.	
4	D	" " " " " " "	
5	L	≀≀ around hor., and ≀ scattered about.	
2	L	Light ≀≀ and ≀ scattered about hor.	
5	L	A few masses of ≀≀ in W, NW, and N; ≀ scattered about.	
3	L	≀≀ from N to W hor.; ≀ scattered about zth.	
2	C	Fleecy clouds in W; ≀ scattered in NE and N.	
1	C	A few patches of fleecy clouds floating E; ≀ above S hor.	
3	C	" " " " " " "	
2	C	" " " " " " "	
3	D	Fleecy clouds in hor.; ≀ scattered about.	
2	D	" " " " "	
3	D	" " " " "	
4	D	Fleecy clouds inserting into ≀≀ scattered about.	
6	L	≀≀ scattered throughout, moving SE.	
4	L	≀≀ around hor. and in N.	
3	L	Masses of ≀≀ scattered about, moving ESE.	
2	L	≀≀ scattered about hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°6 and 85°7.
3	C	" " " "	
3	C	" " " "	
4	C	≀≀ scattered about, moving E.	
1	D	≀≀ around hor.	
1	D	" "	
2	D	≀≀ with haze around hor.	
2	D	≀≀ scattered around hor., moving SE.	
2	D	" " " "	
4	L	≀≀ dispersed throughout, moving SE.	
2	L	" " " "	
2	L	" " " "	
2	L	≀≀ dispersed throughout, moving E.	
2	C	" " " "	
2	C	≀≀ around hor.; also a few masses floating E.	
2	C	" " " " "	
3	C	" " " " "	
3	L	≀≀ scattered about, moving E.	
4	L	" " " "	
4	C	" " " "	
5	C	" " " "	
3	D	≀≀ dispersed about, moving SE; drops of rain at 9h. 20m.	
4	D	≀≀ scattered about, moving SE.	
3	D	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 16th-Midnight	29.739	28.909	83°2	76°7	6°5	74°1	0.75	83°8	85°6	NW	0.0		Pos.	2.0		Above 10m.
1 a. m.	.745	.901	83.0	77.0	6.0	74.6	.77	83.6	85.6	NW b W	0.0		Pos.	3.5		Above 10m.
2 „	.733	.887	82.8	77.0	5.8	74.7	.78	83.4	85.5	W b S	0.0		Pos.	2.0		Above 10m.
3 „	.724	.874	82.5	77.0	5.5	74.8	.78	83.2	85.3	Calm.	0.0		Pos.	1.0		Above 10m.
4 „	.730	.879	82.4	77.0	5.4	74.9	.79	83.2	85.3	„	0.0					
5 „	.748	.895	82.2	77.0	5.2	75.0	.79	83.0	85.2	„	0.0					
6 „	.771	.896	82.7	77.7	5.0	75.8	.80	84.2	85.1	„	0.0					
7 „	.802	.946	85.5	78.0	7.5	75.1	.72	85.4	85.3	„	0.0					
8 „	.813	.973	87.0	78.0	9.0	74.6	.67	87.2	85.5	„	0.0					
9 „	.811	.951	88.6	78.9	9.7	75.2	.66	87.9	85.6	NW b W	0.1					
10 „	.803	.941	89.6	79.2	10.4	75.3	.64	88.8	85.8	„	0.1					
11 „	.794	.951	90.5	79.0	11.5	74.6	.61	89.7	86.0	„	0.0	None.			None.	
Noon.	.772	.902	92.0	80.0	12.0	75.7	.60	91.2	86.3	„	0.2					
1 p. m.	.763	.902	92.8	80.0	12.8	75.2	.58	91.6	86.6	WNW	0.2					
2 „	.728	.866	92.7	80.0	12.7	75.3	.58	91.8	86.8	„	0.3					
3 „	.714	.850	92.5	80.0	12.5	75.4	.59	91.7	87.1	„	0.3		Pos.	2.0		Above 10m.
4 „	.705	.827	91.6	80.1	11.5	75.9	.61	91.0	87.0	„	0.4		Pos.	1.0		Above 10m.
5 „	.704	.804	89.2	80.0	9.2	76.6	.67	88.2	86.7	NW b W	0.2					
6 „	.717	.807	86.4	79.5	6.9	77.0	.74	86.0	86.5	NW	0.2					
7 „	.736	.841	84.7	78.0	6.7	75.4	.74	84.2	86.2	„	0.2					
8 „	.746	.875	84.2	78.0	6.2	75.6	.76	84.0	86.0	WNW	0.1					
9 „	.753	.871	83.8	77.4	6.4	74.9	.76	84.2	85.9	W b N	0.0					
10 „	.762	.916	83.6	77.2	6.4	74.7	.75	84.0	85.8	„	0.1					
11 „	.752	.931	83.3	76.5	6.8	73.8	.74	83.6	85.6	„	0.1		Pos.	3.0		Above 10m.
May 17th-Midnight	.735	.911	83.0	76.5	6.5	73.9	.75	83.4	85.5	W	0.1		Pos.	3.0		Above 10m.
1 a. m.	.718	.910	82.7	76.0	6.7	73.3	.74	83.2	85.4	Calm.	0.0		Pos.	3.0		Above 10m.
2 „	.713	.892	82.2	76.2	6.0	73.8	.76	82.8	85.3	„	0.0		Pos.	3.0		Above 10m.
3 „	.717	.911	81.8	75.7	6.1	73.2	.76	82.2	85.2	„	0.0		Pos.	3.0		Above 10m.
4 „	.725	.922	81.4	75.5	5.9	73.1	.77	82.1	85.0	„	0.0		Pos.	2.0		Above 10m.
5 „	.732	.944	81.0	75.0	6.0	72.5	.76	82.2	85.0	„	0.0					
6 „	.747	.922	82.2	76.0	6.2	73.9	.76	82.4	85.0	„	0.0					
7 „	.767	.940	84.5	77.0	7.5	74.0	.72	85.2	85.0	WNW	0.0					
8 „	.784	.941	86.7	78.0	8.7	74.6	.68	86.2	85.1	NW b W	0.0					
9 „	.801	29.016	88.4	77.0	11.4	72.4	.60	87.4	85.5	„	0.0					
10 „	.796	28.987	89.8	78.0	11.8	73.3	.59	88.9	85.7	„	0.0		Pos.	1.0		Above 5m.
11 „	.793	29.025	91.0	77.3	13.7	71.7	.54	89.6	86.0	W b N	0.1	None.	Pos.	0.5	None.	Above 6m.
Noon.	.774	28.950	92.3	79.0	13.3	73.9	.56	90.9	86.2	„	0.1		Pos.	0.5		5.0
1 p. m.	.759	.947	93.0	78.9	14.1	73.4	.54	91.2	86.4	W	0.3		Pos.	1.0		4.0
2 „	.742	.926	93.0	79.0	14.0	73.6	.55	91.4	86.6	WNW	0.2		Pos.	2.0		4.0
3 „	.733	.906	92.7	79.2	13.5	74.0	.56	91.5	86.8	„	0.2		Pos.	1.0		4.0
4 „	.722	.874	92.0	79.5	12.5	74.8	.58	91.2	86.8	„	0.2					
5 „	.714	.867	90.2	79.0	11.2	74.8	.61	89.5	86.8	„	0.2					
6 „	.713	.871	86.8	78.0	8.8	74.6	.68	86.8	86.5	NW	0.2					
7 „	.722	.862	85.2	78.0	7.2	75.2	.73	85.2	86.2	„	0.1					
8 „	.760	.905	84.5	77.7	6.8	75.0	.74	84.7	86.0	NW b N	0.2					
9 „	.768	.922	84.2	77.4	6.8	74.7	.74	84.6	86.0	NW b W	0.1					
10 „	.784	.941	83.8	77.2	6.6	74.6	.75	84.2	85.9	NW	0.1					
11 „	.800	.963	83.6	77.0	6.6	74.4	.75	84.1	85.7	„	0.2					
May 19th-Midnight	.785	.908	83.6	78.0	5.6	75.8	.78	84.2	85.6	N	0.1					
1 a. m.	.773	.889	83.0	78.0	5.0	76.1	.80	83.5	85.6	N b E	0.0					
2 „	.768	.882	82.8	78.0	4.8	76.1	.81	83.5	85.5	„	0.0					
3 „	.761	.872	82.5	78.0	4.5	76.3	.82	83.4	85.5	NNE	0.0					
4 „	.759	.860	82.2	78.0	4.2	76.4	.83	82.7	85.5	„	0.0					
5 „	.766	.870	81.9	78.0	3.9	76.5	.84	82.3	85.4	„	0.0					
6 „	.787	.929	81.7	77.0	4.7	75.1	.81	82.2	85.3	„	0.0					
7 „	.795	.891	85.0	79.0	6.0	76.8	.77	86.0	85.2	ENE	0.0					
8 „	.813	.880	86.2	80.0	6.2	77.8	.77	86.5	85.3	NE	0.0					
9 „	.822	.878	89.1	81.0	8.1	78.1	.71	89.0	85.7	N	0.1	Drizzling rain.	Pos.	1.0	None.	Above 10m.
10 „	.821	.893	89.8	80.8	9.0	77.6	.68	39.4	85.8	„	0.2		Pos.	2.0		Above 10m.
11 „	.807	.853	90.1	81.5	8.6	78.5	.70	89.5	86.0	„	0.6		Pos.	2.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌣i nimbi.	
2	D	⌣i scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°7 and 85°8. On the 16th the first Maximum and the second Minimum of Barometer occurred respectively a little earlier and later than usual.
4	C	" " "	
3	C	" " "	
2	C	⌣i scattered around hor. and in zth., moving E.	
2	C	" " " " " "	
3	D	⌣i and ⌇i scattered about, the former moving NE.	
2	D	⌣i around hor., moving SE; haze in hor.	
2	D	⌣i in hor., and ⌇i scattered about.	
3	D	" " " "	
3	L	⌇i in E hem.; light ⌣i dispersed throughout.	
3	L	" " " " "	
2	L	Fragments of light ⌣i and ⌇i scattered about.	
3	L	" " " " "	
3	C	" " " " "	
1	C	⌇i in E hor.; fleecy clouds scattered here and there.	
1	C	A few ⌇i in E.	
1	C	A few ⌇i above E hor.	
2	D	⌇i scattered around hor.	
3	D	Fleecy clouds and ⌇i scattered about hor.	
5	D	" " " " "	
4	D	Fleecy clouds and ⌇i scattered about, the former moving SE.	
2	L	⌣-like clouds around hor., and ⌇i in E and NE.	
3	L	⌣i dispersed about, moving E.	
2	L	" " " "	
4	L	⌣i scattered in S hem. and around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°8 and 85°9. On the 17th the Evening Minimum and Maximum of Barometer were later than usual. Maximum Electricity was 3°0 Scale Divisions by Volta No. 1. At 5 A. M. the Temperature of Wet Bulb Thermometer was 75°0, being 2°5 lower than the Normal Mean.
5	L	" " " "	
4	C	" " " "	
1	C	A few masses of ⌣i in W hor., and ⌇i about E hor.	
2	C	⌣i scattered around hor., moving NE.	
2	D	⌣i scattered about, moving SE.	
3	D	" " " "	
3	D	" " " "	
2	D	⌣i around hor., and ⌇i scattered about.	
2	C	⌣i scattered around hor.	
2	C	" " "	
1	C	⌇i in E; a few masses of ⌣i floating E.	
2	C	Light ⌣i in NE and around hor.	
5	L	⌇i and ⌣i scattered throughout.	
3	L	⌇i and ⌣i scattered chiefly around hor.	
4	L	Fleecy clouds around hor. and in NW; ⌇i scattered about hor.	
5	L	Fleecy clouds and ⌇i scattered about, the former moving E.	
2	C	" " " " " " "	
1	C	A few patches of fleecy clouds; ⌇i in hor. from N to SW.	
2	C	" " " " " " "	
4	C	⌣i scattered about, and ⌇i around hor.	
3	C	" " " " "	
2	C	" " " " "	
3	C	" " " " "	
3	L	⌣i scattered around hor. and in W hem.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°9 and 86°0. Maximum Tension of Electricity by Henly's Apparatus was 5.0 Scale Divisions. Maximum Length of Sparks by Ronald's Measure was 0.05 in. On the 19th fresh breezes blowing in the afternoon, Maximum Pressure being 2.5 lb.
1	C	A few streaks of ⌇i above SW hor.; a few patches of ⌣i in sky.	
5	C	Clouded with masses of ⌣i.	
1	D	⌣i around hor.	
0	D	A few clouds in hor.	
0	D	Cloudless.	
2	D	⌣i scattered in hor., moving SE.	
2	D	⌣i and haze about hor.	
7	D	Densely clouded with ⌣i, moving E.	
4	L	⌣i scattered about hor., moving S.	
3	L	⌣i around hor., moving ESE.	
2	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 19th-Noon.	29.786	28.875	90°5	80°6	9°9	77°0	0.66	89°6	86°1	N	0.7		Pos.	4.0		3.0
1 p. m.	.764	.846	90.8	80.8	10.0	77.3	.66	90.2	86.2	NW	0.8		Pos.	2.0		2.0
2 „	.727	.802	90.8	81.0	9.8	77.5	.66	90.2	86.4	„	1.0		Pos.	7.0		2.0
3 „	.683	.732	89.7	81.3	8.4	78.4	.70	89.2	86.4	„	1.5		Pos.	1.0		Above 10m.
4 „	.678	.737	89.4	81.0	8.4	78.0	.70	88.8	86.5	„	2.5		Neg.	12.0		0.5
5 „	.682	.751	86.4	80.0	6.4	77.7	.76	86.4	86.4	NNW	1.0		Neg.	7.0		0.4
6 „	.689	.747	85.4	80.0	5.4	78.1	.79	85.0	86.3	„	0.3					
7 „	.747	.818	84.7	79.5	5.2	77.6	.80	84.8	86.1	„	0.1					
8 „	.738	.834	85.0	79.0	6.0	76.8	.77	84.2	86.0	NW	0.3	Drizzling rain.		Out of Sc.	Out of Sc.	
9 „	.780	.835	84.0	79.7	4.3	78.2	.83	84.6	86.0	WNW	0.1		Pos.	1.0		Above 10m.
10 „	.764	.801	84.2	80.2	4.0	78.8	.84	84.8	85.8	NW b N	0.4		Pos.	1.0		Above 10m.
11 „	.744	.781	84.2	80.2	4.0	78.8	.84	84.7	85.8	NW b W	0.3		Pos.	1.0		Above 10m.
May 20th-Midnight	.767	.812	84.2	80.0	4.2	78.5	.84	84.7	85.8	WNW	0.1					
1 a. m.	.761	.781	84.2	80.6	3.6	79.3	.86	84.6	85.6	„	0.0		Pos.	1.0		Above 10m.
2 „	.709	.717	84.0	80.8	3.2	79.7	.87	84.6	85.5	W b N	0.2		Pos.	1.0		Above 10m.
3 „	.702	.708	83.8	80.8	3.0	79.8	.88	84.2	85.5	NW	0.2					
4 „	.712	.742	83.6	80.2	3.4	79.0	.87	84.0	85.5	NW b N	0.1					
5 „	.708	.786	83.4	79.0	4.4	77.4	.83	84.0	85.2	NNW	0.1					
6 „	.730	.813	83.8	79.0	4.8	77.2	.81	84.2	85.4	„	0.1					
7 „	.745	.807	85.7	80.0	5.7	77.9	.78	86.4	85.6	NNE	0.0		Neg.	14.0		0.10
8 „	.763	.818	89.0	81.0	8.0	78.2	.71	88.5	86.1	„	0.0					
9 „	.764	.799	91.2	82.0	9.2	75.4	.68	91.4	86.5	NNW	0.1					
10 „	.760	.791	90.8	82.0	8.8	75.5	.69	90.2	86.4	NW	0.2					
11 „	.748	.744	92.2	83.0	9.2	79.9	.68	91.5	86.7	„	0.2					
Noon.	.722	.728	92.6	83.0	9.6	79.8	.67	91.6	87.0	„	0.1					
1 p. m.	.694	.685	92.6	83.3	9.3	80.2	.68	92.2	87.1	„	0.2					
2 „	.656	.644	92.3	83.3	9.0	80.3	.69	92.0	87.3	„	0.4					
3 „	.636	.628	91.4	83.0	8.4	80.2	.71	91.0	87.3	„	0.7					
4 „	.606	.590	89.8	82.8	7.0	80.5	.75	90.1	87.1	NW b N	2.5					
5 „	.644	.646	88.2	82.0	6.2	79.9	.77	88.4	87.2	NNW	1.2					
6 „	.610	.586	85.8	82.0	3.8	80.7	.85	86.2	87.0	„	0.8	0.01	Neg.	Out of Sc.	50.0	0.3
7 „	.694	.703	84.8	81.0	3.8	79.7	.85	85.2	86.7	„	0.2					
8 „	.734	.865	84.4	78.0	6.4	75.5	.75	84.2	86.5	SW	0.5		Neg.	Out of Sc.	100.0	0.1
9 „	.728	.869	81.6	77.0	4.6	75.2	.82	83.0	86.0	„	0.2		Pos.	1.0		Above 10m.
10 „	.736	.858	82.8	77.8	5.0	75.9	.80	83.9	86.0	„	0.1		Pos.	1.0		Above 10m.
11 „	.732	.824	82.8	78.5	4.3	76.9	.83	83.2	86.0	„	0.1		Pos.	1.0		Above 10m.
May 21st-Midnight	.739	.819	82.8	78.8	4.0	79.3	.84	83.5	85.8	W	0.1		Pos.	4.0		Above 10m.
1 a. m.	.700	.820	83.4	78.0	5.4	75.9	.79	84.2	85.6	NW b N	0.5		Pos.	10.0		0.20
2 „	.692	.735	84.0	80.0	4.0	78.6	.84	84.2	85.6	„	0.2		Pos.	2.0		Above 10m
3 „	.680	.697	84.0	80.6	3.4	79.4	.87	84.2	85.5	„	0.1		Pos.	8.0		Above 10m.
4 „	.688	.718	83.6	80.2	3.4	79.0	.87	84.2	85.5	„	0.1		Pos.	6.0		Above 10m.
5 „	.689	.719	82.8	80.0	2.8	79.0	.89	84.4	85.4	„	0.1		Pos.	5.0		Above 10m.
6 „	.725	.757	83.0	80.0	3.0	78.9	.88	84.2	85.4	„	0.1					
7 „	.750	.789	84.4	80.2	4.2	78.7	.84	84.5	85.5	NNW	0.0					
8 „	.763	.812	86.5	80.5	6.0	78.4	.78	87.0	85.7	NNE	0.0		Pos.	4.0		Above 10m.
9 „	.765	.813	89.6	81.3	8.3	78.4	.70	89.6	86.1	NE b E	0.0		Pos.	1.0		Above 10m.
10 „	.758	.779	91.1	82.3	8.8	79.3	.69	90.7	86.5	„	0.1					
11 „	.747	.753	91.0	82.6	8.4	79.8	.71	90.8	86.5	SW	0.1					
Noon.	.729	.745	91.9	82.6	9.3	79.4	.68	91.2	86.8	NW b W	0.1					
1 p, m.	.700	.698	93.3	83.3	10.0	80.0	.66	92.4	87.1	WNW	0.1					
2 „	.665	.663	93.6	83.4	10.2	80.0	.66	93.0	87 3	„	0.2					
3 „	.639	.623	93.2	83.6	9.6	80.5	.67	92.6	87.5	„	0.2		Pos.	1.0		Above 10m.
4 „	.610	.620	92.2	82.8	9.4	79.6	.68	92.0	87.5	„	0.2					
5 „	.638	.655	89.5	82.0	7.5	79.4	.73	89.2	87.4	„	0.1		Neg.	Out of Sc.	10.0	0.02
6 „	.691	.952	82.0	74.0	8.0	70.5	.69	82.4	87.0	ESE	6.2		Neg.	Out of Sc.	Out of Sc.	Instantly.
7 „	.694	.856	80.0	76.0	4.0	74.4	.84	80.2	86.1	SW	0.1	0.14	Neg.	Out of Sc.	Out of Sc.	Instantly.
8 „	.733	.856	80.0	77.0	3.0	75.8	.88	80.5	85.7	S b W	0.0	0.07	Neg.	Out of Sc.	Out of Sc.	Instantly.
9 „	.755	.881	79.5	76.8	2.7	75.7	.89	80.7	85.5	SE b E	0.0	0.06	Neg.	Out of Sc.	Out of Sc.	Instantly.
10 „	.762	.875	79.8	77.2	2.6	76.2	.89	81.2	85.3	S b E	0.0	0.02	Neg.	Out of Sc.	Out of Sc.	Instantly.
11 „	.739	.869	80.6	77.0	3.6	75.6	.85	81.6	85.2	„	0.0		Neg.	Out of Sc.	0.35	0.30

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ⌣⌣i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌣⌣i nimbi.	
1	L	⌣⌣i around hor., moving ESE.	
2	L	⌣⌣i and patches of ⌣⌣i scattered about hor.	
3	L	" " " " "	
3	N	⌒i in NE and E hor.; scud floating in SE.	
6	N	Electrical ⌒i from N to E hor.; ⌣⌣i and scud floating SSE.	
8	D	Overcast with ⌣⌣i and patches of ⌣⌣i.	
8	D	Densely clouded; drops of rain falling.	
8	D	Overcast with ⌣⌣i; lightning in E and SE hor. at intervals of 15s.	
8	D	Overcast; rain commenced at 8h. 10m., which lasted 27m.; continued lightning	
8	L	Overcast with ⌣⌣i. [in E and SE.	
8	L	" " "	
8	L	" " "	
8	L	Overcast with ⌣⌣i; a few drops of rain at 45m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°9 and 86°0. Daily fall of rain by Osler's Gauge was immeasurable. Maximum Tension of Electricity by Henly's Apparatus was 10.0. Scale Division. Maximum length of Sparks by Ronald's Measure was 0.15 in. On the 20th the movements of Barometer were abnormal. Fresh breezes blowing in the afternoon, Maximum Pressure 2.5 lb. At 8 P. M. the Temperature of Wet Bulb Thermometer fell 3° in one hour. At 1 and 2 P. M. the Temperature of Wet Bulb Thermometer was 83°3, being respectively 2°2 and 2°0 higher than the Normal Mean.
8	N	Overcast in two strata, the lower stratum moving SSE.	
8	N	Overcast with ⌣⌣i, moving NW.	
8	N	Overcast with ⌣⌣i, moving SE.	
8	N	" " " [at 5h. 30m.	
8	D	Overcast in two strata, the lower stratum of ⌣⌣i moving SE; clouds dispersed	
6	D	⌣⌣i and ⌣i scattered throughout.	
7	D	⌣⌣i around hor., and ⌣i scattered throughout.	
6	D	" " " " "	
4	L	" " " " "	
5	L	" " " " "	
6	L	A few light ⌣⌣i in NE hor., otherwise clouded with ⌣i.	
6	L	A few light ⌣⌣i in NE and E; light ⌣i and haze throughout.	
3	N	⌒i in hor. from N to E; ⌣i scattered about; mist in hor.	
3	N	" " " " " "	
3	N	" " " " " "	
3	N	Electrical ⌒i from N to SE, and ⌣i scattered about.	
6	D	⌒i scattered throughout; thunder heard in E; light rain at 5h. 34m.	
6	D	Densely covered with ⌒i, ⌣i, and ⌣⌣i; a rainbow in E.	
8	D	Overcast with ⌣⌣i; continued lightning in SE and S.	
8	D	" " " " " "	
8	L	Overcast with ⌣⌣i, moving W.	
8	L	" " "	
8	L	" " "	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°0 and 86°1. Daily fall of rain by Osler's Gauge 0.27; Maximum Tension of Electricity by Henly's Apparatus was 12.0. Maximum Length of the Spark by Ronald's Measure was 0.15 inches. On the 21st, at about 5. 48 P. M., a squall of 16 lbs. Pressure came on from SE and E, which lasted for about 40m., during which Henly's Electrometer and Ronald's Spark Measure were highly affected. Wind blew abnormally. At 6 P. M. the Temperature of Free Air fell 7°5 in one hour, and the Temperature of Wet Bulb Thermometer fell 8°0 in one hour, and rose 2° for the next hour. At 6 P. M. the Temperature of Wet Bulb Thermometer was 74°0, being the lowest in the month. Range of Air Thermometer highest in the month.
8	L	⌣⌣i and fleecy clouds scattered throughout.	
8	N	Densely clouded with ⌣i and masses of ⌣⌣i.	
8	N	Clouded as before; a lunar-halo.	
8	N	Overcast with ⌣⌣i and ⌣i, the former moving E.	
8	N	Clouded as before; a lunar-halo.	
8	D	Overcast with ⌣⌣i and ⌣i in two strata; ⌣⌣i moving ESE.	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	Overcast with ⌣⌣i and ⌣i, the former moving SE; hazy.	
8	L	⌒i from N to E hor.; ⌣i and ⌣⌣i scattered throughout.	
8	L	⌣i and ⌣⌣i scattered about, the latter moving W; haze around hor.	
8	L	" " " " " " " "	
7	L	Nearly overcast with ⌣i and haze.	
6	N	⌣i scattered throughout; haze around hor.	
5	N	⌒i in E and NE hor.; ⌣i scattered throughout.	
6	N	⌒i in E and NE hor.; ⌣i scattered throughout, moving W.	
4	N	⌒ in E hem.; ⌣i scattered about.	
8	D	Overcast with ⌣⌣i in two strata; rain falling lightly; gusts of wind.	
8	D	Overcast; continuous thunder in SE hor. [at 7h. 8m.	
8	D	Overcast; lightning in NE, E, and SE hor.; thunder continuously heard; rain	
8	D	Overcast; continuous lightning and thunder in E; raining lightly.	
8	L	Overcast; lightning in E; rain ceased at 9h. 45m.	
8	L	Overcast with ⌣⌣i, moving NW; rain commenced at 10h. 55m.	
8	L	Overcast; rain ceased at 11h. 45m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 22nd-Midnight	29.720	28.856	81°2	77°0	4°2	75°4	0.83	82°0	85°2	NW b W	0.1		Neg.	4.0		Above 10m.
1 a. m.	.724	.855	80.8	77.0	3.8	75.5	.85	82.0	85.0	NE b N	0.1		Neg.	4.0		Above 10m.
2 „	.700	.829	80.6	77.0	3.6	75.6	.85	81.8	84.9	E	0.1		Neg.	4.0		Above 10m.
3 „	.676	.773	80.5	77.8	2.7	76.7	.89	82.0	84.7	S b W	0.1		Neg.	4.0		Above 10m.
4 „	.697	.795	80.6	77.8	2.8	76.7	.89	82.0	84.7	SW b S	0.0		Neg.	3.0		Above 10m.
5 „	.718	.810	80.8	78.0	2.8	76.9	.89	82.0	84.6	„	0.0		Neg.	6.0		0.35
6 „	.735	.835	81.5	78.0	3.5	76.6	.86	82.4	84.5	SSE	0.0		Neg.	4.0		Above 10 m.
7 „	.765	.841	83.2	79.0	4.2	77.5	.83	84.2	84.6	Calm.	0.0		Neg.	3.0		Above 10m.
8 „	.769	.825	85.2	80.0	5.2	78.1	.80	85.4	85.0	„	0.0		Neg.	8.0		Above 10m.
9 „	.766	.836	87.2	80.2	7.0	77.7	.74	86.8	85.2	„	0.0		Neg.	12.0		5.0
10 „	.761	.842	89.0	80.4	8.6	77.3	.69	88.2	85.5	„	0.0		Neg.	4.0		5.0
11 „	.757	.826	91.2	81.2	10.0	77.7	.66	90.2	85.8	„	0.0	None.	Neg.	5.0	None.	5.0
Noon.	.748	.856	93.9	81.0	12.9	76.4	.58	92.2	86.2	WSW	0.1		Neg.	4.0		Above 10m.
1 p. m.	.722	.793	93.0	81.6	11.4	77.6	.62	92.2	86.2	W	0.1		Neg.	5.0		Above 10m.
2 „	.692	.714	94.2	83.0	11.2	79.3	.63	92.8	86.6	WNW	0.2		Neg.	4.0		Above 10m.
3 „	.670	.651	93.8	83.8	10.0	80.6	.67	93.0	87.0	W	0.1		Neg.	4.0		Above 10m.
4 „	.706	.699	91.6	83.0	8.6	80.2	.70	90.4	87.0	SE b E	0.1		Pos.	4.0		Above 10m.
5 „	.721	.649	90.5	82.0	8.5	79.1	.70	90.2	87.0	WNW	0.2		Neg.	16.0		0.23
6 „	.639	.702	87.6	80.5	7.3	77.9	.73	88.2	86.9	NW	0.3					
7 „	.657	.722	86.0	80.0	6.0	77.8	.77	86.2	86.5	NNW	0.2		Neg.	6.0		Above 10m.
8 „	.728	.785	86.0	80.0	6.0	77.8	.77	86.2	86.4	N	0.0					
9 „	.733	.755	86.0	81.0	5.0	79.3	.81	86.4	86.5	NW b N	0.0					
10 „	.743	.763	85.8	81.0	4.8	79.3	.82	86.2	86.4	NW	0.0					
11 „	.730	.747	85.8	81.0	4.5	79.4	.83	86.0	86.4	„	0.1					
May 23rd-Midnight	.693	.727	85.1	80.5	4.6	78.9	.82	85.0	86.3	WNW	0.1		Neg.	1.0		Above 10m.
1 a. m.	.677	.698	84.7	80.7	4.0	79.3	.85	85.5	86.1	NW b W	0.3		Neg.	2.0		Above 10m.
2 „	.663	.689	84.4	80.5	3.9	79.1	.85	85.2	86.0	WNW	0.1		Neg.	1.0		Above 10m.
3 „	.654	.678	84.2	80.5	3.7	79.2	.85	84.7	86.0	„	0.2					
4 „	.672	.715	84.0	80.0	4.0	78.6	.84	84.6	86.0	„	0.1					
5 „	.672	.713	83.8	80.0	3.8	78.6	.85	84.6	85.8	„	0.1					
6 „	.696	.729	83.8	80.2	3.6	78.9	.86	84.6	85.7	„	0.0					
7 „	.704	.758	85.0	80.0	5.0	78.2	.81	86.0	85.8	„	0.0					
8 „	.710	.749	86.3	80.7	5.6	78.7	.79	86.4	85.9	„	0.1					
9 „	.710	.744	88.3	81.3	7.0	78.9	.75	88.2	86.2	„	0.1					
10 „	.704	.731	89.6	81.3	7.8	79.6	.72	89.2	86.5	NW	0.2					
11 „	.710	.782	90.5	81.5	9.0	77.6	.69	90.2	86.6	NNW	0.2	None.			None.	
Noon.	.706	.756	91.8	81.8	10.0	78.3	.66	91.3	86.9	WNW	0.2					
1 p. m.	.680	.654	93.2	83.8	9.4	80.8	.68	92.2	87.1	W b N	0.2					
2 „	.645	.660	93.5	83.0	10.5	79.5	.65	92.5	87.3	„	0.1					
3 „	.608	.624	93.6	83.0	10.6	79.4	.64	92.4	87.6	WNW	0.3					
4 „	.594	.637	92.0	82.0	10.0	78.6	.66	91.7	87.6	„	0.0					
5 „	.606	.674	90.2	81.0	9.2	77.7	.68	90.4	87.5	W	0.0					
6 „	.629	.709	87.4	80.0	7.4	77.3	.73	88.0	87.4	WSW	0.0					
7 „	.647	.712	86.2	80.0	6.2	77.8	.77	86.0	87.0	SW b W	0.1					
8 „	.661	.765	85.7	79.0	6.7	76.4	.75	86.0	86.8	SW	0.1					
9 „	.679	.777	85.2	79.0	6.2	76.7	.76	86.0	86.6	SW b W	0.1					
10 „	.704	.802	85.2	79.0	6.2	76.7	.76	85.8	86.5	SW	0.0					
11 „	.726	.822	85.0	79.0	6.0	76.8	.77	85.7	86.4	S b E	0.0					
May 26th-Midnight	.677	.734	84.9	79.9	5.0	78.1	.81	85.2	86.5	SW b W	0.1					
1 a. m.	.672	.742	84.6	79.5	5.1	77.7	.80	85.0	86.5	„	0.1					
2 „	.662	.709	84.6	80.0	4.4	78.4	.83	85.0	86.3	„	0.1					
3 „	.662	.718	84.4	79.8	4.6	78.1	.82	84.6	86.3	„	0.1					
4 „	.662	.715	84.2	79.8	4.4	78.2	.83	84.3	86.1	„	0.1					
5 „	.669	.747	83.4	79.0	4.4	77.4	.83	83.8	85.8	„	0.0					
6 „	.682	.771	84.4	79.0	5.4	77.0	.79	84.7	85.7	„	0.0	None.	None.	None.	None.	None.
7 „	.695	.842	82.2	77.0	5.2	75.0	.79	82.8	85.8	„	0.0					
8 „	.714	.801	88.0	80.0	8.0	77.1	.71	88.2	86.0	„	0.0					
9 „	.708	.739	90.8	82.0	8.8	79.0	.69	90.2	86.6	„	0.1					
10 „	.703	.765	91.2	81.4	9.8	77.9	.66	91.0	87.0	„	0.2					
11 „	.687	.772	91.8	81.0	10.8	77.2	.63	91.3	87.1	SW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cc cumuli; Cs cirro-strati; Ccs cumulo-strati; and Cn nimbi.	
8	L	Overcast with Cn, moving W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°1 and 86°2. Maximum Tension of Electricity, by Henly's Apparatus, was 2. Maximum length of Sparks by Ronald's Measure was 0.05 in.
8	N	" " "	
8	N	" " " [observation.	
8	N	Overcast with Cn whose motion was not apparent; clouds dispersed after the	
8	N	Overcast with Ci.	
8	D	Overcast with Cn and Ci.	
8	D	" " "	
8	D	Cn and Ci scattered throughout.	
8	D	" " " "	
8	L	Cc in E hor.; Ci scattered throughout.	
8	L	Cc in NE and E hor.; Ci scattered about.	
6	L	Cc and light Cn about NE and E hor.; otherwise clouded with Ci.	
6	L	" " " " " " " "	
6	N	Cc in E hor.; Cn and Ci scattered throughout.	
6	N	Cc and Cs in E and W hor.; Ci and Cn scattered about. [thunder in NE.	
7	N	Cs from N to E hor.; Cc from E to S hor.; Ci and Cn scattered about; distant	
8	N	Overcast with Cn; distant thunder heard at times.	
8	N	Overcast with Cn, moving W; a rainbow in E. [lasted 7m.	
8	D	Nearly overcast with Cn; a few breaks in W; light rain at 6h. 7m., which	
8	D	Overcast; drizzling rain till 7h. 18m.	
8	D	Overcast with Cn whose motion was not apparent.	
8	L	" " " " " "	
8	L	Overcast with Cn, moving W.	
8	L	Overcast with Cn, moving NW.	
8	L	Cn and Cn scattered throughout, both moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface.
8	N	Overcast in two strata, the lower stratum of Cn moving S.	
8	N	" " " " " " "	
8	N	Densely clouded.	
8	N	Densely clouded with Cn and Cn, the latter moving E.	
8	N	" " " " " "	
8	N	Ci and Cn scattered throughout; a few masses of Cn moving E.	
8	D	Densely clouded with Cn and Cn, the latter moving E.	
8	D	" " " " " "	
7	L	Nearly overcast with Cn and Cn.	
7	L	Cn and Ci scattered throughout; hazy.	
8	L	Overcast with Cn and Cn, the former moving W and the latter E; hazy.	
7	L	Overcast with Cn and Cn moving in contrary directions as before; a few Ci in E.	
7	N	Cc and Cs along E hor.; Ci, Cn, and Cn scattered about.	
5	D	Cn in hor.; Ci and Cn scattered about.	
6	D	Cc in E hor.; Cn around hor.; Ci and Cn scattered throughout.	
5	D	" " " " " " "	
6	D	" " " " " " "	
7	D	" " " " " " "	
8	D	Densely clouded with Cn, Cn, and Ci; Cn moving NE.	
3	D	Cn scattered around hor.; lightning in NE hor.	
4	D	" " " " " " [and SE hor.	
5	D	Cn in hor., and patches of Cn scattered about; continuous lightning in NE, E,	
4	D	Cn scattered about, moving SE; continuous lightning in E hor.	
5	L	Cn and Ci scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3.
6	L	Cn and Ci scattered about, the former moving E.	
8	N	Cn around hor., moving E; Ci scattered throughout.	
8	N	Clouded as before; a lunar-halo.	
5	N	Ci and Cn scattered about, the latter moving E.	
3	D	" " " " "	
4	D	Ci and Cn scattered about; light rain at 6h. 41m., which lasted 9m. [SW hor.	
4	D	Electrical Cc in SW; Cn around hor.; Ci scattered about; distant thunder in	
5	D	Electrical Cc in SW; Cn around hor. and Ci scattered about.	
7	L	Cn above NE and S hor.; Ci and Cn scattered throughout, the latter moving E.	
7	L	Cn and Cn in E hem., moving E; Ci scattered in W hem.	
6	L	Cc and Cn from N to SW hor.; Ci scattered about.	

On the 22nd three Minima and three Maxima of Standard Barometer were apparent. Wind blew in a circular direction. At 3 P. M. the Reading of Wet Bulb Thermometer was 83°8, the highest in the month.

On the 23rd, at 1 P. M., the Reading of Wet Bulb Thermometer was 83°8, the highest in the month. At 4 P. M. the Reading of Barometer was 29.594 in., being 0.065 in. lower than the Normal Mean.

On the 26th the first Maximum of Barometer occurred a little earlier and the second Minimum a little later than usual. At 7 A. M. the Temperature of Free Air fell 2°2 in one hour and rose 5°8 for the next hour; also the Temperature of Wet Bulb Thermometer at the same time fell

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 26th–Noon.	29.681	28.739	93°4	82°0	11°4	78°1	0.62	92°4	87°4	SW	0.1					
1 p. m.	.664	.692	94.2	82.8	11.4	79.0	.62	93.3	87.5	W	0.1					
2 „	.650	.686	94.6	82.8	11.8	78.8	.62	93.6	87.7	W b N	0.1					
3 „	.625	.649	94.4	83.0	11.4	79.2	.62	93.4	88.0	WNW	0.2					
4 „	.611	.656	92.2	82.0	10.2	78.5	.65	92.1	88.0	NW b W	0.1					
5 „	.607	.673	90.0	81.0	9.0	77.8	.68	90.2	88.1	WNW	0.1					
6 „	.637	.689	88.7	81.0	7.7	78.3	.72	88.4	87.8	„	0.1	None.	None.	None.	None.	None.
7 „	.653	.731	87.2	80.0	7.2	77.4	.73	87.8	87.6	„	0.1					
8 „	.676	.709	87.0	81.0	6.0	78.9	.78	87.7	87.4	W b N	0.1					
9 „	.699	.743	86.4	80.6	5.8	78.5	.78	86.9	87.3	„	0.0					
10 „	.700	.765	86.0	80.0	6.0	77.8	.77	86.7	87.1	W	0.0					
11 „	.690	.751	85.6	80.0	5.6	77.9	.79	86.2	87.1	WNW	0.1					
May 27th–Midnight	.680	.738	85.4	80.0	5.4	78.1	.79	86.2	87.0	WNW	0.0					
1 a. m.	.672	.728	85.2	80.0	5.2	78.1	.80	86.0	86.8	„	0.1					
2 „	.665	.722	84.9	79.9	5.0	78.1	.81	85.8	86.7	„	0.1					
3 „	.662	.728	84.6	79.6	5.0	77.8	.81	85.4	86.6	„	0.0					
4 „	.660	.710	84.6	80.0	4.6	78.3	.82	85.2	86.5	„	0.1					
5 „	.671	.718	84.4	80.0	4.4	78.4	.83	84.0	85.4	„	0.1					
6 „	.688	.740	84.8	80.0	4.8	78.3	.81	85.2	85.3	„	0.1					
7 „	.713	.776	85.8	80.0	5.8	77.9	.74	86.4	85.5	W b N	0.0					
8 „	.739	.763	86.2	81.0	5.2	79.2	.80	86.5	85.5	„	0.0		Neg.	Out of Sc.	Out of Sc.	0.1
9 „	.752	.785	87.0	81.0	6.0	78.9	.78	87.4	86.5	„	0.1		Neg.	Out of Sc.	Out of Sc.	0.2
10 „	.749	.903	78.9	75.9	3.0	78.2	.88	81.0	85.7	WSW	0.1	1.02	Neg.	Out of Sc.	Out of Sc.	0.2
11 „	.738	.714	85.0	81.8	3.2	80.7	.87	86.2	86.1	„	0.0	0.02				
Noon.	.723	.736	83.6	80.6	3.0	79.5	.88	94.2	86.2	SW	0.1		Neg.	Out of Sc.	Out of Sc.	Instantly.
1 p. m.	.702	.763	82.6	79.2	3.4	78.0	.87	84.0	86.0	SW b S	0.1		Neg.	Out of Sc.	Out of Sc.	0.1
2 „	.677	.686	84.8	81.0	3.8	79.7	.85	86.0	86.0	WSW	0.1		Neg.	0.1		Above 10m.
3 „	.660	.684	85.4	80.8	4.6	79.2	.82	86.1	86.1	W b S	0.1		Neg.	0.1		Above 10m.
4 „	.651	.701	86.2	80.4	5.8	78.3	.78	86.4	86.2	„	0.1		Neg.	0.1		Above 10m.
5 „	.658	.686	86.5	81.0	5.5	79.1	.79	86.2	86.3	WSW	0.1					
6 „	.683	.704	85.2	80.8	4.4	79.3	.83	86.0	86.2	W b S	0.0					
7 „	.678	.721	84.0	80.0	4.0	78.6	.84	84.2	86.1	„	0.0					
8 „	.698	.803	82.0	78.0	4.0	76.5	.84	82.4	85.9	NW	0.2					
9 „	.708	.760	81.0	79.0	2.0	78.3	.92	82.2	85.6	SW	0.0	0.53	Neg.	0.5		3.0
10 „	.715	.768	81.8	79.2	2.6	78.2	.89	82.8	85.6	SW b S	0.1	0.10	Neg.	Out of Sc.	Out of Sc.	0.2
11 „	.710	.779	82.2	78.9	3.3	77.7	.87	83.0	85.5	„	0.2	0.01				
May 28th–Midnight	.700	.769	82.2	78.9	3.3	77.7	.87	83.0	85.5	SW b S	0.2		Neg.	0.1		Above 10m.
1 a. m.	.700	.765	82.2	79.0	3.2	77.8	.87	83.2	85.4	„	0.2					
2 „	.686	.791	82.0	78.0	4.0	76.5	.84	83.0	85.2	„	0.3		Neg.	0.1		Above 10m.
3 „	.686	.797	81.8	77.8	4.0	76.3	.84	82.4	85.1	„	0.3		Neg.	0.1		Above 10m.
4 „	.702	.821	81.8	77.6	4.2	76.0	.84	82.4	85.0	„	0.4					
5 „	.710	.808	81.4	78.0	3.4	76.7	.86	82.0	84.9	S b E	0.1					
6 „	.722	.781	81.6	79.0	2.6	78.0	.89	82.2	85.0	SE b S	0.1					
7 „	.747	.779	83.0	80.0	3.0	78.9	.88	84.0	85.1	„	0.1					
8 „	.755	.815	85.5	88.0	5.5	78.0	.79	86.2	85.3	S b E	0.1					
9 „	.769	.829	87.5	80.5	7.0	78.0	.73	87.0	85.5	„	0.0					
10 „	.807	.847	89.2	81.4	7.8	78.7	.72	88.5	85.8	S b W	0.1		Neg.	0.3		5.0
11 „	.751	.795	90.4	81.6	8.8	78.5	.69	89.4	86.0	SW b S	0.1		Neg.	0.1		5.0
Noon.	.726	.764	90.2	81.7	8.5	78.7	.70	89.2	86.2	„	0.1	None.			None.	
1 p. m.	.669	.709	91.6	82.0	9.6	78.7	.67	90.2	86.5	SW	0.3					
2 „	.644	.693	91.6	81.8	9.8	78.4	.67	90.4	86.5	„	0.2		Neg.	0.3		0.8
3 „	.630	.673	92.0	82.0	10.0	78.6	.66	91.0	86.7	„	0.2		Neg.	0.3		0.30
4 „	.620	.648	90.5	82.0	8.5	79.7	.70	90.0	86.8	„	0.5		Neg.	0.8		0.20
5 „	.616	.643	88.0	81.4	6.6	79.1	.76	88.1	86.6	„	0 to 1¾					
6 „	.623	.673	86.2	80.4	5.8	78.3	.78	86.2	86.5	SW b W	0.3					
7 „	.647	.701	85.0	80.0	5.0	78.2	.81	86.0	86.3	„	0.5					
8 „	.670	.713	84.7	80.2	4.5	78.6	.82	85.2	86.2	SSW	0.8					
9 „	.691	.721	84.4	80.4	4.0	79.0	.84	84.9	86.2	„	0.8					
10 „	.691	.728	84.2	80.2	4.0	78.8	.84	84.8	86.1	„	0 to 1					
11 „	.687	.745	84.2	79.7	4.5	78.1	.82	84.8	86.0	„	0.6		Neg.	0.1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌐⌣i nimbi.	
6	L	⌒i and ⌐⌣i from N to SW hor.; ⌐i scattered about. [E.	2° in one hour and rose 3° for the next. At 2 P. M. Air Temperature was 94°6, the highest during the month.
6	N	Electrical ⌒i around hor.; ⌐i scattered throughout; a few masses of ⌐⌣i moving	
6	N	" " " " " " " " "	
6	N	" " " " " " " " "	
8	N	" " " " " " " " "	
8	D	⌐⌣i around hor.; otherwise clouded with ⌐i.	
8	D	" " " " "	
8	D	Clouded as before; continuous lightning in NE hor.	
7	D	⌐⌣i around hor. and ⌐i scattered throughout; continuous lightning in NE hor.	
7	L	⌐⌣i and ⌐i scattered about; continuous lightning in NE hor.	
5	L	⌐i and ⌐⌣i scattered about.	
5	L	" " "	
5	L	⌐⌣i and ⌐i scattered about, the latter moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3. Daily fall of rain by Osler's Gauge was 1.61 in. Maximum Tension of Electricity by Henly's Apparatus was 4.0. Maximum length of Sparks by Ronald's Measure was 0.10 in.
8	N	Overcast with ⌐i; a few masses of ⌐⌣i floating E; lightning in S hor.	
8	N	⌐i scattered throughout; scud floating NE.	
8	N	" " " " "	
6	N	Clouded with ⌐i and a few masses of ⌐i, the former moving E.	
8	D	" " " " " " "	
8	D	" " " " " " " [7h. 32m.	
8	D	Overcast with ⌐i and ⌐⌣i, the latter moving E; thunder heard in NE and E at	
8	D	Overcast; distant thunder in NE.	
8	L	Overcast with ⌐⌣i in two strata; thunder in NE; rain commenced at 9h. 10m.	
8	L	Overcast with ⌐⌣i in two strata, the lower one moving E; rain ceased at 10h. 45m.	
8	L	Densely clouded with ⌐i and ⌐⌣i, the latter moving E.	
8	L	" " " " " "	
8	N	Overcast; drizzling rain.	
8	N	Overcast; a break in NE.	
8	N	" " "	
5	N	⌒i in NE; ⌣i along E hor.; ⌐⌣i scattered about, moving NE.	
7	D	⌐i, ⌐⌣i, and ⌐⌣i scattered about; ⌐⌣i moving NE.	
8	D	Overcast with ⌐⌣i and ⌐⌣i, the latter moving NE.	
5	D	⌐⌣i around hor.; ⌐i and ⌐⌣i scattered throughout; a few drops of rain at 7h. 47m.	
8	D	Overcast; light rain at 8h. 10m. and at 8h. 16m.	
8	L	Overcast; raining; lightning and thunder in SE hor. at 9h. 43m.	
8	L	Overcast; rain ceased at 10h. 25m. and commenced again at 10h. 50m.	
7	L	Nearly overcast with rain clouds; rain ceased at 11h. 18m.	
8	L	Densely clouded with ⌐⌣i, moving E.	Maximum Electricity was 8 Scale Divisions by Volta No. 1. On the 28th the second Minimum of Barometer occurred a little later. Fresh breezes blowing in the evening, Maximum Pressure being 1·8 lb. The Range of Barometer was 0.191 in., being the highest in the month. At 10 A. M. the Reading of Barometer was 29.807 inches, being 0.041 in. higher than the Normal Mean.
8	N	Densely clouded with ⌐i and ⌐⌣i; a few stars visible in S.	
4	N	Light ⌐i and ⌐⌣i scattered about, the latter moving NE.	
5	N	" " " " " "	
4	N	" " " " " "	
8	D	⌐⌣i in hor.; ⌐i scattered throughout.	
8	D	" " " "	
7	D	⌐⌣i around hor.; ⌣i in SE and S; ⌐i scattered about.	
5	D	A few clouds in E and SE hor.; ⌐i scattered about.	
7	L	⌒i in hor.; ⌐⌣i in NE, E, and NW hor.; ⌐i scattered throughout.	
7	L	" " " " " " "	
7	L	⌐⌣i from N to SE hor. and ⌐⌣i in remainder of hor.; ⌐i scattered throughout.	
6	L	⌐⌣i around hor.; ⌐⌣i above E and NE hor.	
4	N	Electrical ⌒i in E hem.; ⌐i and ⌐⌣i scattered about.	
4	N	" " " " " "	
7	N	⌒i along E hor.; ⌐i, ⌐⌣i, and ⌐⌣i scattered about; ⌐⌣i moving NW.	
4	N	⌒i along E hor.; ⌐i and ⌐⌣i scattered throughout.	
6	N	⌒i in E hor.; ⌐i and ⌐⌣i scattered about, the latter moving N.	
5	N	" " " " " " "	
6	D	⌐⌣i around hor. and ⌐i scattered about; lightning in NE at intervals of 12s.	
4	D	Scud scattered about, moving N; lightning in NE and E.	
2	L	⌐⌣i scattered about hor., moving N.	
3	L	" " " "	
4	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May 29th-Midnight	29.673	28.716	84°0	80°0	4°0	78°6	0.84	84°4	86°0	SSW	0.7		Neg.	1.0		5.0
1 a.m.	.662	.668	83.8	80.8	3.0	79.8	.88	84.2	86.0	S b W	0.4					
2 „	.648	.684	83.4	80.0	3.4	78.8	.86	84.2	85.8	„	0.6					
3 „	.644	.665	83.2	80.3	2.9	79.3	.88	84.1	85.7	SE b S	0.4					
4 „	.650	.681	82.2	79.8	2.4	79.0	.90	82.6	85.5	S b E	0.3					
5 „	.658	.721	82.0	79.0	3.0	77.9	.88	82.2	85.4	SSE	0.1					
6 „	.672	.695	82.2	80.0	2.2	79.2	.91	82.4	85.3	SE	0.1					
7 „	.683	.715	83.0	80.0	3.0	78.9	.88	84.2	85.4	„	0.2					
8 „	.698	.719	84.7	80.7	4.0	79.3	.84	86.0	85.7	SE b S	0.3					
9 „	.684	.749	86.1	80.0	6.1	77.8	.77	86.4	85.7	„	0.1					
10 „	.659	.688	88.2	81.4	6.8	79.0	.75	88.2	86.0	SW b S	0.1					
11 „	.644	.668	89.0	81.7	7.3	79.2	.74	88.8	86.1	„	0.5					
Noon.	.635	.633	90.2	82.6	7.6	80.0	.73	89.4	86.3	„	0.6					
1 p.m.	.616	.600	90.6	83.0	7.6	80.5	.73	90.0	86.5	SSW	0 to ½					
2 „	.596	.592	90.9	82.8	8.1	80.1	.72	90.1	86.5	„	½ to 1					
3 „	.570	.603	90.2	81.8	8.4	78.9	.70	89.4	86.6	„	1 to 1½					
4 „	.566	.597	88.4	81.4	7.0	79.0	.74	88.2	86.6	„	1 to 1½					
5 „	.563	.598	87.2	81.0	6.2	78.8	.77	88.0	86.5	„	1 to 2					
6 „	.549	.609	85.5	80.0	5.5	78.0	.79	86.2	86.4	S	1 to 3½					
7 „	.574	.647	84.4	79.4	5.0	77.6	.81	85.4	86.2	„	1 to 2					
8 „	.598	.641	84.0	80.0	4.0	78.6	.84	84.2	86.1	„	1 to 1½					
9 „	.616	.659	84.0	80.0	4.0	78.6	.84	84.3	86.1	S b E	1 to 1½					
10 „	.632	.694	83.4	79.4	4.0	77.9	.84	84.2	86.0	SE b E	0.6					
11 „	.623	.706	82.7	78.7	4.0	77.2	.84	83.2	85.8	„	0.5					
May 30th-Midnight	.606	.688	82.2	78.6	3.6	77.3	.86	82.9	85.6	SSE	0.3					
1 a.m.	.562	.633	81.2	78.6	2.6	77.6	.89	82.4	85.3	SE b S	0.4					
2 „	.526	.616	81.4	78.2	3.2	77.0	.87	82.2	85.2	SSE	0.9					
3 „	.525	.621	81.2	78.0	3.2	76.8	.87	82.2	85.2	„	0.7					
4 „	.533	.653	81.2	77.4	3.8	75.9	.85	82.2	85.0	SE b S	0.2					
5 „	.541	.681	81.5	77.0	4.5	75.2	.82	82.0	84.9	„	0.1					
6 „	.553	.656	81.8	78.0	3.8	76.5	.85	83.2	85.0	SE	0.1					
7 „	.560	.645	84.0	79.0	5.0	77.2	.81	84.4	85.2	SE b S	0.1					
8 „	.569	.645	87.0	80.0	7.0	77.5	.74	87.2	85.4	„	0.1					
9 „	.573	.639	90.0	81.0	9.0	77.8	.68	88.9	85.8	„	0.2					
10 „	.563	.623	91.0	81.4	9.6	78.0	.67	89.6	86.0	S b W	0.1					
11 „	.551	.543	91.4	83.0	8.4	80.2	.71	90.2	86.2	„	0.4					
Noon.	.535	.553	92.5	82.7	9.8	79.4	.67	91.2	86.5	„	0.6					
1 p.m.	.511	.537	92.0	82.4	9.6	79.1	.67	91.0	86.7	SW b S	0.6					
2 „	.476	.478	91.9	82.9	9.0	79.9	.69	91.2	86.9	SSW	1.0					
3 „	.447	.471	91.0	82.2	8.8	79.2	.69	90.4	87.0	„	1 to 2½					
4 „	.439	.454	89.4	82.0	7.4	79.5	.73	90.0	87.0	„	2 to 3					
5 „	.451	.480	86.5	81.0	5.6	79.0	.79	87.2	86.7	„	2 to 6½					
6 „	.451	.501	84.6	80.0	4.6	78.3	.82	85.2	86.4	S b W	3 to 7					
7 „	.498	.622	83.7	78.0	5.7	75.8	.78	84.0	86.2	S	4 to 14½					
8 „	.527	.596	82.5	79.0	3.5	77.7	.86	83.0	86.0	„	4 to 8½					
9 „	.563	.649	81.8	78.4	3.4	77.1	.86	82.7	85.8	S b E	3 to 10½					
10 „	.569	.676	81.8	77.9	3.9	76.4	.84	82.7	85.6	„	3 to 7½					
11 „	.540	.672	80.8	77.0	3.8	75.5	.85	81.8	85.5	SSE	½ to 3½					
May 31st-Midnight	.527	.683	80.2	76.2	4.0	74.6	.84	81.2	85.2	SE b S	½ to 2		Neg.	1.0		Above 10m.
1 a.m.	.508	.668	79.8	76.0	3.8	74.5	.85	81.0	85.0	SSE	½ to 3½		Neg.	1.0		Above 10m.
2 „	.512	.682	79.7	75.7	4.0	74.1	.84	80.8	84.8	„	½ to 1½		Neg.	1.0		Above 10m.
3 „	.496	.682	79.4	75.2	4.2	73.5	.83	80.5	84.6	„	1.7		Neg.	1.0		Above 10m.
4 „	.510	.696	79.4	75.2	4.2	73.5	.83	80.3	84.5	SE b S	2.0		Neg.	1.0		Above 10m.
5 „	.512	.706	79.4	75.0	4.4	73.2	.82	80.2	84.3	„	0.7		Neg.	1.0		Above 10m.
6 „	.528	.690	80.0	76.0	4.0	74.4	.84	81.0	84.2	„	0.2					
7 „	.557	.677	82.2	77.7	4.5	75.9	.82	83.2	84.5	SE b E	0.1					
8 „	.569	.700	84.4	78.0	6.4	75.5	.75	85.0	84.7	SE	0.1					
9 „	.566	.674	87.6	79.4	8.2	76.4	.70	87.5	85.0	„	0.3		Neg.	1.0		2.00
10 „	.570	.664	88.6	80.0	8.6	76.8	.69	88.2	85.4	S b E	0.3		Neg	1.0		Above 10m.
11 „	.555	.663	90.4	80.1	10.3	76.4	.64	90.0	85.6	„	0.2		Neg.	2.0		Above 10m.

Immeasurable. None. None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ⌒ cumuli ; ⌣ cirro-strati ; ⌒⌒ cumulo-strati ; and ≀≀ nimbi.	
3	L	≀≀ scattered around hor., moving N ; light rain at 0h. 45m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3.
8	N	Densely clouded with ≀≀, moving N.	
8	N	Overcast with light ≀≀ ; a few stars dimly visible.	
6	N	≀≀ scattered throughout, moving N.	
7	N	" " " "	
8	D	" " " "	
8	D	≀≀ around hor., otherwise clouded with ≀.	
8	D	Densely clouded with ≀≀, moving NW.	
5	D	≀≀ in hor. ; ≀≀ scattered about.	
8	L	≀≀ scattered throughout except in W of zth. ; ≀≀ above S hor.	
8	L	Overcast with ≀ and ≀≀ ; scud floating N.	
5	L	Electrical ⌒ in E hem. ; ≀ and ≀≀ scattered about, both moving N.	
4	L	Light ≀≀ around hor. ; ⌒ in E ; ≀ scattered about, moving N.	
6	N	⌒ and ⌣ in E hem. ; ≀ and ≀≀ scattered about.	
6	N	" " " " " "	
6	N	" " " " " "	
7	N	⌒ and ⌣ as before ; ≀≀ scattered about, moving N.	
8	D	≀≀ around hor. ; otherwise densely covered with ≀.	
8	D	" " " " " " [of 1m. 20s.	
7	D	≀ and ≀≀ scattered throughout, the latter moving NE ; lightning in N at intervals	
5	D	≀≀ scattered about ; lightning in N every minute.	
4	L	≀≀ scattered about hor., moving W.	
6	L	≀≀ scattered throughout, except in W of zth.	
6	L	" " " " " ; light rain at 11h. 55m.	
8	L	Overcast with ≀≀ ; rain ceased at 0h. 12m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3.
4	N	≀≀ scattered about hor., and light ≀ in zth.	
6	N	" " " " "	
8	N	Densely clouded with ≀≀ and ≀.	
7	N	" " " "	
7	D	" " " "	
6	D	≀ scattered throughout.	
7	D	" " "	
6	D	" " "	
6	L	⌒ in NW and E hor. ; ≀ scattered about.	
7	L	⌒ in E hem. ; ≀ scattered throughout.	
7	L	⌒ in E hem. ; ≀≀ in SE and E ; ≀ scattered throughout. [throughout.	
7	L	⌒ in E hem. ; ≀≀ above E and NE hor. ; ≀≀ in NW and W, and ≀ scattered	
8	N	≀≀ around hor. ; otherwise clouded with ≀. [gales blowing.	
8	N	⌒ from N to SE hor. ; ≀ scattered throughout ; scud moving NW ; monsoon	
8	N	" " " " " " " " " "	
8	N	" " " " " " " " " "	
8	D	Electrical ⌒ along E hor. ; ≀ and ≀≀ scattered about, the latter moving NW ; wind	
7	D	Densely clouded with ≀ and ≀≀, the latter moving NW ; wind squally. [squally.	
6	D	⌒ from N to SE hor., and ≀ scattered about ; lightning in N and NE ; wind	
8	D	Overcast with ≀≀ ; lightning in NW and N at 1m. 20s. [squally.	
8	L	Overcast ; a few stars dimly visible in SE ; lightning in E every 2m.	
6	L	≀≀ scattered throughout, except about zth.	
6	L	" " " " "	
4	L	Light ≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3. Daily fall of rain by Osler's Gauge 0.11 in. Maximum Tension of Electricity was 16.0 Scale Divisions by Volta No. 1.
6	N	A bank of clouds around hor. ; ≀ scattered about.	
6	N	" " " " " " ; a few scud moving N.	
6	N	A bank of clouds around hor. ; ≀ scattered about.	
0	N	" " " " " "	
8	D	≀≀ around hor. ; otherwise clouded with light ≀.	
8	D	" " " " "	
8	D	" " " " "	
7	D	Densely clouded with light ≀.	
7	L	⌒ about E hor. ; ≀≀ in SE and NW above hor. ; ≀ scattered throughout.	
7	L	⌒ about E hor. ; ≀≀ in E and NE, moving N ; ≀ scattered throughout.	
6	L	⌒ in E hem. ; ≀≀ in S & SE, moving N ; ≀ scattered about, except in E & SE.	

On the 29th the first Maximum of Barometer took place about an hour earlier, and the Second Minimum about 2 hours later than its usual time. Range of Air Thermometer was on this day lowest in the month.

On the 30th steady Monsoon gale blowing in the evening, Maximum Pressure of which was 14.5 lbs. Raining lightly, and lightning flashing generally from all directions between E and W (round by N), but the Electrometer not affected. At midnight the Barometer was higher than both the Maxima of this day. At 4 P. M. Reading of Barometer was 29.439, the lowest in the month.

On the 31st the movements of Barometer were rather irregular. At 10 P. M. the Temperature of Air was 78°8, the lowest in the month. Steady Monsoon gale, Maximum Pressure 11.5 lbs.

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
May, 31st—Noon.	29.535	28.610	92°1	81°3	10°8	77°5	0.64	90°8	86°0	S b W	0.4		Neg.	4.0		4.00
1 p. m.	.513	.577	89.0	80.8	8.2	77.9	.71	88.8	86.0	,,	1 to 9½		Neg.	12.0		0.08
2 ,,	.508	.578	88.0	80.4	7.6	77.7	.72	88.1	86.0	,,	3 to 8		Neg.	10.0		0.05
3 ,,	.485	.544	86.2	80.2	6.0	78.0	.77	85.4	86.0	,,	2 to 9½		Neg.	16.0		0.04
4 ,,	.492	.527	81.8	79.6	2.2	78.9	.91	82.2	86.4	,,	2½ to 6¼		Neg.	2.0		Above 10m.
5 ,,	.504	.598	81.0	78.0	3.0	76.8	.88	82.2	85.1	S	½ to 3		Neg.	1.0	None.	Above 10m.
6 ,,	.511	.587	79.4	78.0	1.4	77.5	.94	81.0	85.0	S b W	½ to 3½					
7 ,,	.523	.646	80.0	77.0	3.0	75.8	.88	80.2	84.8	S b E	½ to 3½					
8 ,,	.560	.672	79.0	77.0	2.0	76.2	.92	80.0	84.4	SSW	2 to 11½	0.10				
9 ,,	.557	.653	80.1	77.7	2.4	76.8	.90	80.8	84.4	,,	½ to 3½	0.02				
10 ,,	.564	.752	78.8	75.0	3.8	73.4	.84	80.0	84.2	SE b S	½ to 2¼					
11 ,,	.558	.766	79.2	74.6	4.6	72.7	.81	80.0	84.1	SSE	0.6					
June 1st—Midnight	.556	.746	79.0	75.0	4.0	73.3	.84	79.9	83.9	SE	0.4					
1 a. m.	.537	.684	80.0	76.4	3.6	75.0	.85	80.4	83.9	SE b S	0.5					
2 ,,	.520	.704	80.2	75.5	4.7	73.6	.81	80.8	83.9	SSE	0.6					
3 ,,	.512	.694	80.4	75.6	4.8	73.6	.81	81.2	83.7	,,	0.2					
4 ,,	.506	.675	80.6	76.0	4.6	74.1	.81	81.3	83.7	,,	0.3					
5 ,,	.508	.676	80.5	76.0	4.5	74.2	.82	81.2	83.7	,,	½ to 1½					
6 ,,	.514	.648	81.0	77.0	4.0	75.4	.84	82.2	83.6	,,	½ to ¾					
7 ,,	.529	.649	83.4	78.0	5.4	75.9	.79	84.2	83.9	,,	0.1					
8 ,,	.533	.711	85.0	77.0	8.0	73.8	.70	84.7	84.2	S b E	½ to 1¾					
9 ,,	.539	.642	85.6	79.0	6.6	76.5	.75	86.2	84.4	,,	¼ to 2¾					
10 ,,	.535	.628	88.6	80.0	8.6	76.9	.69	88.2	84.7	,,	½ to 3½					
11 ,,	.528	.545	90.4	82.2	8.2	79.4	.71	89.2	85.2	S b W	¼ to 1½					
Noon.	.517	.566	90.0	81.4	8.6	78.4	.70	89.2	85.4	,,	¼ to 1½		None.	None.	None.	None.
1 p. m.	.576	.560	90.4	81.6	8.8	78.5	.69	89.4	85.5	SSW	2 to 4½					
2 ,,	.480	.575	90.4	80.4	10.0	76.8	.65	90.0	85.8	S b W	2 to 7¾					
3 ,,	.483	.538	89.0	81.0	8.0	78.2	.71	88.6	85.8	,,	3 to 10¾					
4 ,,	.475	.517	87.8	81.0	6.8	78.6	.75	88.2	86.0	,,	2 to 4¾					
5 ,,	.468	.564	85.0	79.0	6.0	76.8	.77	84.4	85.9	,,	2½ to 4½					
6 ,,	.504	.590	80.3	78.0	2.3	77.1	.90	81.2	85.3	SSW	1½ to 7					
7 ,,	.533	.651	79.5	77.0	2.5	76.0	.90	80.2	84.8	S b W	1½ to 3	0.04				
8 ,,	.561	.644	80.0	78.0	2.0	77.2	.92	80.4	84.7	,,	1½ to 3½					
9 ,,	.573	.645	79.0	78.0	1.0	77.6	.96	80.2	84.5	,,	1½ to 2¼	0.14				
10 ,,	.568	.640	79.0	78.0	1.0	77.6	.96	80.2	84.2	,,	1 to 3½	0.56				
11 ,,	.571	.683	79.0	77.0	2.0	76.2	.92	80.4	83.9	S	½ to 2	0.04				
June 3rd—Midnight	.632	.774	78.2	76.0	2.2	75.1	.91	78.5	82.0	SSE	4.0					
1 a. m.	.621	.763	77.8	75.8	2.0	75.1	.92	78.2	82.2	S b E	0.6	0.01				
2 ,,	.598	.706	79.4	77.2	2.2	76.4	.91	78.2	82.5	S	1 to 1½					
3 ,,	.561	.671	79.9	77.3	2.6	76.3	.89	78.5	82.5	,,	1 to 1¼					
4 ,,	.579	.706	78.2	76.4	1.8	75.7	.92	78.4	82.5	SSW	1 to 3	0.07				
5 ,,	.582	.678	77.5	77.0	0.5	76.8	.98	78.2	82.3	SW b S	1 to 3½	0.04				
6 ,,	.595	.704	78.7	77.0	1.7	76.3	.93	79.8	82.3	SSW	1½ to 4¼	0.06				
7 ,,	.610	.685	79.3	78.0	1.3	77.5	.95	80.2	82.3	S	1 to 2½	0.01				
8 ,,	.624	.724	81.5	78.0	3.5	76.6	.86	82.2	82.6	SSW	1½ to 2¾					
9 ,,	.636	.699	82.0	79.0	3.0	77.9	.88	82.2	82.9	,,	1½ to 2½	0.01				
10 ,,	.644	.673	81.2	79.6	1.6	79.0	.93	82.0	82.9	SW	1½ to 3¼	0.05				
11 ,,	.644	.666	82.8	80.2	2.6	79.3	.90	82.6	83.0	SW b S	2 to 5					
Noon.	.639	.646	81.5	80.2	1.3	79.7	.95	82.4	83.0	,,	½ to 1½	0.15				
1 p. m.	.634	.711	80.2	78.2	2.0	77.4	.92	80.2	82.7	S b W	½ to 3	0.30			None.	
2 ,,	.626	.708	79.2	77.8	1.4	77.3	.94	80.0	82.7	,,	½ to 2½	0.13				
3 ,,	.615	.746	77.2	76.0	1.2	75.5	.95	77.6	82.5	,,	½ to 8	0.42	Neg.	3.0		0.01
4 ,,	.603	.702	78.6	77.2	1.4	76.7	.94	77.4	82.5	S	0.6	0.01				
5 ,,	.593	.735	78.2	76.0	2.2	75.1	.91	78.4	82.4	SSW	0.1	0.15				
6 ,,	.609	.650	80.0	79.0	1.0	78.6	.96	81.2	82.5	S	0.5					
7 ,,	.634	.717	80.6	78.6	2.0	77.2	.92	81.2	82.5	,,	1.3	0.01				
8 ,,	.659	.771	79.0	77.0	2.0	76.2	.92	80.0	82.5	,,	0.4	0.19				
9 ,,	.692	.760	79.4	78.2	1.2	77.7	.95	80.2	82.5	S b E	0.7	0.01				
10 ,,	.721	.878	76.0	75.0	1.0	74.6	.96	77.6	82.0	SW b S	1.5	0.64				
11 ,,	.715	.820	77.6	76.8	0.8	76.5	.97	78.4	82.0	SSW	0.6	0.14				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	L	in E hem.; in S & SE, moving N; scattered about, except in E & SE.	
5	N	from NE to SSW; scattered about, moving NW.	
6	N	from NE to SSW; scattered about, moving N; smart gusts of wind.	
6	N	Clouded as before; rain commenced at 3h. 45m.	
8	N	Overcast with , moving N; rain ceased at 4h. 30m.	
8	D	Overcast with , moving N; light rain at 5h. 38m.	
8	D	Overcast.	
8	D	Overcast; rain at 7h. 3m.; wind squally.	
8	D	Overcast; raining lightly; wind squally.	
8	L	Overcast; a smart gale of wind; clouds dispersed after 10h. 30m.	
4	L	Light scattered about hor.	
3	L	" " "	
3	L	scattered from S to NE hor., and from NE to S above it.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°2 and 86°3. Daily fall of rain by Osler's Gauge 0.78 in. On the 1st, at 5 P. M., the Reading of Barometer was 29.468, being the lowest in the month. At 10 P. M. Barometer fell a little instead of rising. Monsoon gales, Maximum Pressure 10.8 lbs. At 11 A. M. the Temperature of Air was 90°4, being 4.8 higher than the Normal Mean for that hour.
2	N	scattered about hor.	
0	N	Clear, except in hor.	
2	N	scattered about, and a few masses of , moving N.	
0	N	Clear, except in hor.	
8	D	Overcast; steady gale of wind.	
6	D	in hor.; scattered throughout.	
5	D	A few in SW hor.; scattered throughout.	
6	D	A few in S and SE, otherwise clouded with .	
7	N	scattered about.	
4	L	Electrical around hor.; scattered about.	
4	L	" " " " "	
3	L	and scattered about hor.	
3	L	and scattered around hor,; a few in SW.	
4	L	and scattered in E hem.	
8	N	Overcast with , moving N.	
8	D	Densely clouded with , , and ; gusts of wind from SW.	
8	D	Overcast with and , the former moving N; light rain at 5h. 54m.	
8	D	Overcast; rain ceased at 6h. 37m.	
8	D	Overcast; steady gales of wind; lightning in NE at intervals of 28s.	
8	D	Overcast; light rain at 8h. 3m.; lightning in NE at intervals of 25s.	
8	D	Overcast; raining; strong gusts of wind.	
8	D	" " " "	
8	D	Overcast; drops of rain falling.	
8	N	Overcast with ; drizzling rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 86°0 and 86°2. Daily fall of rain by Osler's Gauge 2.40 in. On the 3rd Evening Minimum of Barometer a little later. High wind blowing, Maximum Pressure 8.0 lbs. At 10 P. M. the Temperature of Air and Wet Bulb Thermometers fell respectively 3°4 and 3°2 in one hour. At 10 P. M. the Temperature of Air was 76.0, being 5°3 lower than the Normal Mean. Range of Barometer greatest in the month.
8	L	" " " "	
8	L	Overcast; a few stars visible in S.	
5	L	scattered about hor.; heavy rain at 3h. 32m.	
8	L	Overcast with ; light rain.	
8	D	Overcast with ; light rain; rain ceased at 5h. 59m.	
8	D	Overcast; light rain at 7h. 2m., which lasted 11m.	
8	D	Overcast with .	
8	D	Overcast; rain commenced at 8h. 52m., and ceased at 8h. 56m.	
8	N	Overcast with , moving N; light rain at 9h. 45m.	
8	N	Overcast; raining.	
8	N	" "	
8	N	" "	
8	L	Overcast; light rain; thunder in E.	
8	L	Overcast; raining; distant thunder at 2h. 30m.	
8	L	Overcast; rain ceased at 3h. 15m., which recommenced at 3h. 30m.	
8	L	Overcast; rain at 4h. 20m.	
8	D	Overcast; raining lightly.	
8	D	Overcast; a few drops of rain. [rain at 7h. 52m.	
8	D	Overcast; rain commenced at 7h. 32m., which lasted 1m.; a passing shower of	
8	D	Overcast; raining lightly.	
8	N	Overcast; passing showers of rain.	
8	N	Overcast; raining lightly.	
8	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 4th—Midnight	29·699	28.871	77°4	75°0	2°4	74°0	0.90	78°2	82°0	S	0.5	0.06				
1 a. m.	.697	.828	77.2	76.0	1.2	75.5	.95	78.2	82.0	S b E	0.2	0.06				
2 „	.679	.802	77.2	76.2	1.0	75.8	.96	78.4	82.0	SSE	0.3					
3 „	.674	.801	77.6	76.2	1.4	75.7	.94	78.4	82.0	„	0.3					
4 „	.684	.820	77.6	76.0	1.6	75.4	.93	78.4	81.9	„	0.7					
5 „	.680	.781	78.0	77.0	1.0	76.6	.96	78.8	81.8	„	1.0					
6 „	.693	.833	78.0	76.0	2.0	75.2	.92	79.4	81.7	„	0.2					
7 „	.705	.849	78.4	76.0	2.4	75.1	.90	79.6	81.8	SE b S	0.3					
8 „	.724	.807	80.0	78.0	2.0	77.1	.92	80.4	81.9	SSE	0.1					
9 „	.738	.809	82.0	78.8	3.2	77.6	.87	82.4	82.2	S b W	0.2					
10 „	.735	.769	83.2	80.0	3.2	78.8	.87	84.0	82.5	„	½ to 1					
11 „	.733	.741	84.0	80.8	3.2	79.9	.87	84.2	82.6	„	½ to 1					
Noon.	.722	.720	85.0	81.3	3.7	80.0	.86	85.2	83.0	„	0.2		None.	None.	None.	None.
1 p. m.	.706	.695	84.8	81.2	3.6	80.3	.86	85.0	83.1	S	0.8					
2 „	.697	.703	85.4	81.2	4.2	79.8	.84	85.4	83.4	„	0.5					
3 „	.680	.688	85.6	81.2	4.4	79.7	.83	85.4	83.5	„	0.5					
4 „	.670	.745	83.5	79.1	4.4	77.5	.83	83.6	83.5	„	½ to 1½					
5 „	.681	.796	83.3	78.1	5.2	76.1	.80	83.5	83.4	„	0.4					
6 „	.689	.758	81.8	78.8	3.0	77.7	.88	82.2	83.2	„	0.1					
7 „	.699	.835	81.2	77.0	4.2	75.4	.83	81.4	83.2	„	0.3					
8 „	.726	.818	80.8	78.0	2.8	76.9	.89	81.0	83.1	S b E	0.2					
9 „	.741	.833	80.8	78.0	2.8	76.9	.89	80.8	83.1	„	0.3					
10 „	.748	.835	80.4	78.0	2.4	77.1	.90	81.4	83.0	SSE	0.2					
11 „	.746	.855	80.2	77.4	2.8	76.3	.88	81.0	83.0	SE b S	0.3					
June 5th—Midnight	.740	.827	80.4	78.0	2.4	77.1	.90	81.0	83.0	SE b E	0.3					
1 a. m.	.732	.815	80.0	78.0	2.0	77.2	.92	80.4	82.8	SE	0.3					
2 „	.734	.817	80.0	78.0	2.0	77.2	.92	80.8	82.7	„	0.4					
3 „	.731	.846	80.0	77.2	2.8	76.1	.88	80.7	82.7	S b E	1.4					
4 „	.725	.859	78.2	76.2	2.0	75.4	.92	79.4	82.5	„	0.3	0.05				
5 „	.736	.878	78.2	76.0	2.2	75.1	.91	80.0	82.6	„	0.1					
6 „	.746	.858	79.0	77.0	2.0	76.2	.92	80.4	82.5	SSE	0.1					
7 „	.772	.872	79.8	77.5	2.3	76.6	.90	81.0	82.6	S b E	0.1					
8 „	.770	.880	81.3	77.6	3.7	76.3	.85	82.2	82.8	„	0.1					
9 „	.787	.814	83.2	80.2	3.0	79.1	.88	84.2	82.8	„	0.2					
10 „	.792	.797	86.0	81.4	4.6	79.8	.82	86.2	83.3	„	0.2					
11 „	.786	.752	86.6	82.4	4.2	81.0	.84	86.2	83.7	S	0.2	0.05				
Noon.	.767	.759	86.4	81.8	4.6	80.2	.82	86.4	83.5	SW b S	0.1		Neg.	4.0		0.11
1 p. m.	.764	.784	88.2	81.6	6.6	79.3	.76	87.8	84.1	W	0.1		Neg.	Out of Sc.	50.0	0.05
2 „	.744	.745	85.7	81.4	4.3	79.9	.83	84.7	84.0	WSW	0.2		Neg.	Out of Sc.	30.0	0.01
3 „	.743	.845	78.1	77.0	1.1	76.6	.95	78.2	83.0	WNW	0.1	0.89	Neg.	Out of Sc.	Out of Sc.	Instantly.
4 „	.745	.881	78.0	76.1	1.9	75.4	.92	78.2	82.7	W b S	0.2	0.29	Neg.	Out of Sc.	Out of Sc.	Instantly.
5 „	.750	.918	77.0	76.0	2.0	74.2	.91	78.0	82.6	NW b W	0.1	0.17	Neg.	Out of Sc.	Out of Sc.	Instantly.
6 „	.758	.857	77.8	77.0	0.8	76.7	.96	79.7	82.2	SW b W	0.1	0.12	Neg.	Out of Sc.	Out of Sc.	Instantly.
7 „	.800	.929	77.0	76.0	1.0	75.6	.96	78.2	82.2	„	0.1	0.31				
8 „	.801	.958	76.0	75.0	1.0	74.6	.96	78.0	82.1	SW b S	0.3	0.12				
9 „	.801	.962	76.4	75.0	1.4	74.4	.94	78.0	82.0	„	0.1	0.06				
10 „	.793	.922	77.0	76.0	1.0	75.6	.96	78.3	82.0	„	0.1					
11 „	.790	.915	77.4	76.2	1.2	75.8	.95	78.8	82.0	„	0.0					
June 6th—Midnight	.779	.887	77.7	76.9	0.8	76.4	.97	79.0	82.0	SW b S	0.1					
1 a. m.	.761	.892	77.2	76.0	1.2	75.5	.95	78.2	81.9	„	0.2	0.01				
2 „	.746	.869	77.2	76.2	1.0	75.8	.95	78.2	81.7	SSE	0.1		Neg.	Out of Sc.	30.0	0.30
3 „	.757	.906	77.4	75.6	1.8	74.9	.92	78.0	81.7	SSW	0.1	0.01	Neg.	3.0		5.00
4 „	.760	.932	76.0	74.6	1.4	74.0	.94	77.2	81.5	„	0.1	0.07	Neg.	1.0		Above 10m.
5 „	.765	.922	76.0	75.0	1.0	74.6	.96	77.2	81.4	„	0.0					
6 „	.783	.909	76.7	76.0	0.7	75.7	.96	78.0	81.3	„	0.0		Neg.	9.0		0.56
7 „	.811	.940	77.0	76.0	1.0	75.6	.96	78.4	81.4	„	0.0		Neg.	3.0		Above 10m.
8 „	.835	29.000	76.7	75.0	1.7	74.3	.93	78.6	81.5	W	0.0	0.01	Neg.	4.0		Above 10m.
9 „	.839	28.988	76.0	75.2	0.8	74.9	.97	78.0	81.2	„	0.1	0.06	Neg.	Out of Sc.	Out of Sc.	Above 10m.
10 „	.834	.967	76.6	75.8	0.8	75.5	.97	78.1	81.2	„	0.1	0.03				
11 „	.832	.908	78.6	77.8	0.8	77.5	.97	80.1	81.3	W b S	0.1	0.02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
8	N	Overcast with ≀∩; drizzling rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°9 and 86°2. Daily fall of rain by Osler's Gauge 0.22 in. On the 4th occasional gusts of wind, Maximum Pressure 1.5 lb. Morning Minimum of Barometer a little later. Range of Barometer was small.
8	L	" " " "	
8	L	Overcast; rain ceased.	
8	L		
8	L	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	Overcast with ≀∩ whose motion was not apparent.	
8	D		
8	N	" " " " "	
8	N	" " " " "	
8	N	Overcast with ≀∩; mist around hor.	
8	N		
8	N	" " " "	
8	L	" " " "	
8	L	Overcast with ≀∩; a few patches of ≀∩ above SW, W, and S hor.	
8	L	" " " " " " " "	
8	L	" " " " " " " "	
8	L	Overcast with ≀∩.	
8	N	Overcast in two strata with ≀∩, moving N.	
8	D		
8	D	" " " " "	
8	N	" " " " "	
8	N	Overcast with light ≀∩; a few stars visible about zth.	
8	N	" " " " " "	
8	N	" " " " " "	
8	N	Overcast with ≀∩; a few stars dimly visible about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°8 and 86°2. Daily fall of rain by Osler's Gauge 1.95 in. Maximum Tension of Electricity by Henly's Apparatus 8.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.12 in. On the 5th, at 2 A. M., the Barometer rose a little instead of falling. From 7 to 9 P. M. the Barometer was steady, and also at its second Maximum which occurred earlier than usual. Heavy shower of rain fell between 2 and 3 P. M. At 3 P. M. the Temperature of Dry Air fell 7°6 in one hour, and the Temperature of Wet Bulb Thermometer fell 4°4 at the same time. Maximum Pressure of wind in morning 1.4 lb. At 1 P. M. the Temperature of Air was 88°2, being 1°4 higher than the Normal Mean.
8	L	" " " " " "	
8	L	Overcast in two strata with ≀∩, moving N; lightning in SSE observed at 2h. 50m.	
8	L	Overcast; drizzling rain commenced at full hour, & ceased at 3h. 50m.; lightning &	
8	L	Overcast; rain commenced at 3h. 55m. & ceased at 4h. 8m. [thunder in SE.	
8	D	Densely clouded with ≀∩.	
8	D	∩, ≀∩, and ≀∩ scattered throughout.	
8	D	Overcast with ≀∩ and ≀∩, the latter moving NE.	
8	D	" " " " "	
8	N	Overcast with ≀∩, moving N; a few drops of rain. [at 10h. 57m.	
8	N	≀∩ and ≀∩ scattered throughout, both moving NE; a passing shower of rain	
8	N	≀∩ and ≀∩ scattered throughout, both moving NNE. [12h. 40m.	
8	N	≀∩ and ≀∩ scattered throughout, both moving NNE; thunder in E, heard at	
8	L	Overcast; thunder in SE. [thunder about zth.	
8	L	Overcast; thunder in N; gusts of wind, with rain, at 2h. 15m.; lightning and	
8	L	Overcast; raining; continuous lightning and thunder about zth.	
8	L		
8	D	" " " " " " "	
8	D	" " " " " " "	
8	D	Overcast and raining; thunder continuously heard.	
8	D		
8	D	" " " " " "	
8	D	Overcast and raining; lightning and thunder in NW and W hor.	
8	N	Overcast; drizzling rain; lightning in NW and W hor.; thunder in NE.	
8	N	Densely clouded with ≀∩, moving NE; lightning in N and NW.	
6	N	≀∩ scattered about; a few stars dimly visible about zth.	
5	N	≀∩ dispersed about, moving N; lightning in NW; thunder heard in E at 22m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°4 and 86°4. Daily fall of rain by Osler's Gauge 0.22 in. Maximum Tension of Electricity by Henly's Apparatus 6.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.05 in. On the 6th Morning Minimum of Barometer was earlier, and Evening Maximum later than usual.
8	L	Overcast with ≀∩; lightning in SE and thunder in E.	
8	L	Overcast; lightning and thunder in NW and N every 2m.; rain commenced at	
8	L	Overcast; lightning in N every minute; raining lightly. [2h. 55m.	
8	L	Overcast; lightning and thunder in NW every 2m.; rain ceased at 4h. 48m.	
8	D	Overcast; continuous thunder in NW; light rain at 5h. 32m.	
8	D	Overcast; rain ceased at 6h. 19m.	
8	D	Overcast; raining.	
8	D		
8	N	" "	
8	N	" "	
8	N	Overcast with ≀∩, moving NE; drizzling rain.	
8	N	Overcast with ≀∩, whose motion was not apparent.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 6th—Noon.	29.820	28.910	80°6	78°0	2°6	77°0	0.89	82°1	81°6	W b S	0.1					
1 p. m.	.798	.859	81.8	79.0	2.8	78.0	.89	82.5	81.9	WSW	0.2					
2 „	.774	.886	82.6	78.0	4.6	76.2	.82	83.2	82.1	„	0.1					
3 „	.746	.824	82.6	78.8	3.8	77.4	.85	83.0	82.2	W b N	0.2					
4 „	.736	.856	82.2	77.7	4.5	75.9	.82	82.5	82.2	NW b W	0.2					
5 „	.728	.825	81.3	78.0	3.3	76.7	.87	82.4	82.4	W b S	0.1	None.	None.	None.	None.	None.
6 „	.733	.867	81.0	77.0	4.0	75.4	.84	82.0	82.3	WNW	0.1					
7 „	.742	.869	80.4	77.0	3.4	75.7	.86	81.3	82.2	W b S	0.0					
8 „	.757	.880	80.0	77.0	3.0	75.8	.87	80.2	82.2	„	0.0					
9 „	.777	.884	80.0	77.4	2.6	76.4	.89	80.4	82.0	„	0.0					
10 „	.773	.894	79.8	77.0	2.8	75.9	.88	80.4	82.0	„	0.0					
11 „	.771	.886	80.0	77.2	2.8	76.1	.88	80.6	82.1	„	0.0					
June 7th—Midnight	.746	.831	80.2	78.0	2.2	77.2	.91	81.0	82.2	SW b W	0.1					
1 a. m.	.717	.803	80.6	78.1	2.5	77.1	.90	81.2	81.7	SW b S	0.1					
2 „	.693	.755	80.4	78.6	1.8	77.9	.92	81.0	82.2	SSW	0.1					
3 „	.699	.824	78.8	76.6	2.2	75.8	.91	80.0	82.0	SE b S	0.0		Neg.	Out of Sc.	Out of Sc.	0.01
4 „	.699	.811	79.0	77.0	2.0	76.2	.92	79.8	82.0	SSW	0.0	0.05				
5 „	.715	.881	76.8	75.0	1.8	74.3	.92	77.2	82.0	N	0.0	0.16				
6 „	.716	.810	77.4	77.0	0.4	76.8	.98	79.2	81.7	N b W	0.0	0.06				
7 „	.736	.846	78.8	77.0	1.8	76.3	.93	80.0	81.6	N b E	0.0	0.01	Neg.	3.0		Above 10m.
8 „	.735	.877	78.2	76.0	2.2	75.1	.91	79.2	81.6	„	0.0	0.10				
9 „	.731	.812	79.8	78.0	1.8	77.3	.92	80.8	81.7	N b W	0.1					
10 „	.746	.839	80.9	78.0	2.9	76.9	.88	82.1	82.0	„	0.0					
11 „	.738	.807	81.8	78.8	3.0	77.7	.88	82.6	82.0	N b E	0.0					
Noon.	.723	.744	83.6	80.4	3.2	79.3	.87	84.1	82.4	SE	0.1					
1 p. m.	.708	.784	84.3	79.3	5.0	77.5	.81	83.8	82.4	W b N	0.1					
2 „	.675	.745	83.4	79.2	4.2	77.7	.84	83.5	82.6	WSW	0.1					
3 „	.659	.736	82.9	78.9	4.0	77.4	.84	83.2	82.6	SW	0.1					
4 „	.654	.723	84.4	79.4	5.0	77.7	.81	84.2	82.8	W b S	0.1					
5 „	.653	.738	83.6	78.9	4.7	77.2	.82	83.4	82.8	„	0.1					
6 „	.664	.769	82.0	78.0	4.0	76.5	.84	82.4	82.7	„	0.0					
7 „	.673	.765	80.8	78.0	2.8	76.9	.89	81.6	82.6	WSW	0.1					
8 „	.676	.774	80.6	77.8	2.8	76.7	.89	81.2	82.5	SW b S	0.0					
9 „	.678	.781	80.3	77.6	2.7	76.5	.89	81.2	82.5	„	0.1					
10 „	.688	.781	80.2	77.8	2.4	76.9	.90	81.0	82.5	„	0.1					
11 „	.676	.769	80.2	77.8	2.4	76.9	.90	81.0	82.5	„	0.2					
June 9th—Midnight	.584	.591	81.6	80.0	1.6	79.7	.93	82.2	83.0	W	0.0					
1 a. m.	.574	.632	81.5	79.0	2.5	78.1	.90	82.2	83.3	Calm.	0.0					
2 „	.560	.637	81.3	78.5	2.8	77.4	.89	82.0	83.2	„	0.0					
3 „	.551	.634	81.8	78.0	3.8	76.6	.89	82.4	83.2	„	0.0					
4 „	.534	.593	81.6	79.0	2.6	78.0	.89	82.2	83.1	„	0.0					
5 „	.529	.601	79.0	78.0	1.0	77.6	.96	80.0	82.8	W b N	⅛ to 1½	0.28				
6 „	.547	.687	78.0	76.0	2.0	75.2	.92	78.5	82.6	WNW	½ to 4	0.22		Out of Sc.	30.0	
7 „	.574	.681	78.5	77.0	1.5	76.4	.94	78.4	82.4	„	⅛ to 4	0.18	Neg.	Out of Sc.	50.0	0.01
8 „	.597	.702	78.4	77.0	1.4	76.5	.94	79.2	82.3	NW b W	⅛ to 2	0.32				
9 „	.635	.727	77.2	77.0	0.2	76.9	.99	77.5	82.0	NNW	⅛ to ½	1.50	Neg.	Out of Sc.	80.0	Instantly.
10 „	.632	.746	76.4	76.2	0.2	76.1	.99	76.2	82.0	WSW	⅛ to 1½	1.77	Neg.	Out of Sc.	65.0	Instantly.
11 „	.626	.725	76.8	76.7	0.1	76.7	1.00	77.8	81.7	WNW	½ to ½	1.14	Neg.	12.0		0.10
Noon.	.586	.677	77.1	77.0	0.1	76.9	1.00	78.0	81.5	N b W	⅛ to 2½	0.50	Neg.	Out of Sc.	Out of Sc.	Instantly.
1 p. m.	.558	.637	78.9	77.8	1.1	77.4	0.95	79.4	81.8	WNW	0.3	0.06	Neg.	Out of Sc.	35.0	0.05
2 „	.546	.587	80.0	79.0	1.0	78.6	.96	80.4	82.0	W b N	0.0	0.01				
3 „	.530	.655	77.7	76.2	1.5	75.8	.94	78.3	81.8	WNW	⅛ to 2	0.46	Neg.	5.0		Above 10m.
4 „	.515	.661	77.1	75.6	1.5	75.0	.94	77.8	81.5	„	0.1	0.05				
5 „	.522	.629	78.5	77.0	1.5	76.4	.90	79.7	81.4	W b S	0.2					
6 „	.535	.639	78.3	77.0	1.3	76.5	.94	78.5	81.3	„	0.1					
7 „	.551	.680	77.0	76.0	1.0	75.6	.96	77.8	81.2	WNW	⅛ to 4	0.63				
8 „	.595	.752	76.0	75.0	1.0	74.6	.96	76.7	81.1	N b E	⅛ to 6	1.03	Neg.	Out of Sc.	Out of Sc.	Instantly.
9 „	.582	.653	77.4	77.6	0.2	77.6	1.00	77.8	81.0	W	⅛ to 1	0.63	Neg.	10.0		Above 10m.
10 „	.600	.749	77.4	75.6	1.8	74.9	.92	76.2	81.2	NW	⅛ to 1½	1.20	Neg.	10.0		0.30
11 „	.585	.757	76.0	74.6	1.4	74.0	.94	75.6	81.0	„	0.1	0.30				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
8	N	Overcast with ≀, moving NE.	At 9 A. M. the Reading of Barometer was 29.839 ins., the highest in the month.
8	L	Overcast with ≀, moving E.	
8	L	≀ in S, otherwise clouded with ≀ and ≀.	
7	L	≀ in S; ≀ around hor., moving E; ≀ and ≀ scattered throughout.	
8	L	" " " " " " " "	
8	D	Densely clouded with ≀ and ≀, the latter scattered chiefly around hor.	
8	D	≀ around hor; ≀ and ≀ scattered throughout.	
5	D	≀ around hor.; and ≀ scattered about.	
6	D	" " " " "	
2	N	" " " " "	
3	N	" " " " " [30m.	
4	N	≀ around hor.; ≀ scattered about; ≀ began to appear in the sky after 11h.	
8	N	Densely clouded with masses of ≀, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°3 and 86°1. Daily fall of rain by Osler's Gauge 0.42 in. Maximum Tension of Electricity by Henly's Apparatus 1.5 Scale Divisions. Maximum length of Sparks by Ronald's Measure 00.2 in.
7	L	" " " " " "	
8	L	Overcast; rain commenced at 2h., and ceased at 2h. 35m. [3h. 54m.	
8	L	Overcast; rain commenced at 3h., and ceased at 3h. 25m.; it recommenced at	
8	L	Overcast; raining; light gale of wind.	
8	D	Overcast; raining lightly.	
8	D	" " "	
8	D	Overcast; rain ceased at full hour, and recommenced at 7h. 37m.	
8	D	Overcast with ≀, moving SE.	
8	N	Overcast with ≀, moving SE; mist around hor.	On the 7th, at 9 A. M., the Barometer fell a little instead of rising. The first Minimum of Barometer a little earlier and the second Minimum later than usual.
8	N	Overcast; light rain at 10h. 52m.	
8	N	Overcast; drizzling rain.	
8	N	Overcast with ≀.	
8	L	" "	
8	L	Overcast with ≀, moving E.	
8	L	≀ and ≀ in N and NE; otherwise clouded with ≀ and ≀.	
8	L	≀ and ≀ around hor.; otherwise covered with dense ≀.	
8	D	" " " " " "	
7	D	≀ around hor.; ≀ in W, NW, and E; otherwise clouded with ≀.	
7	D	≀ around hor.; ≀ and ≀ scattered throughout.	
6	D	" " " " " "	
8	N	Densely clouded with ≀ and ≀.	
8	N	" " " "	
8	N	" " " "	
8	N	Overcast with ≀.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85° and 86°. Daily fall of rain by Osler's Gauge 9.63 in. Maximum Tension of Electricity by Henly's Apparatus 11.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.14 ins.
8	D	" "	
8	D	" "	
8	D	Overcast; drizzling rain at 3h. 32m.; lightning.	
8	D	Overcast; rain commenced at 4h. 10m., which ceased at 4h. 53m.	
8	D	Overcast; raining lightly.	
8	D	Overcast; raining; distant thunder in N.	
8	D	" " " " "	
8	D	Overcast; raining.	
8	N	" "	On the 9th, at 9 P. M., the Barometer fell a little instead of rising. Heavy rain falling, and squally wind blowing, Maximum Pressure being 6 lbs. At 4 P. M. the Barometer was 29.515, being 0.100 lower than the Normal Mean. Range of Air was lowest on this day in the month. The range of Barometer as high as 0.120 ins.
8	N	" "	
8	N	Overcast; rain ceased at 11h. 20m.; gusts of wind.	
8	N	Overcast; raining lightly.	
8	L	Overcast; raining.	
8	L	" "	
8	L	" "	
8	L	" "	
8	D	Overcast with ≀, moving E.	
8	D	Overcast with ≀, moving E; raining lightly.	
8	D	Overcast; raining; distant thunder and vivid lightning in N and NE.	
8	D	" " " " " " " "	
8	L	Overcast; raining.	
8	L	Overcast; rain ceased at 10h. 40m.	
8	L	Overcast; raining lightly.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 10th-Midnight	29.577	28.725	75°2	75°0	0°2	74°9	0.99	76°0	80°7	NW	0.2	0.01				
1 a. m.	.557	.708	76.2	75.2	1.0	74.8	.96	76.2	80.8	NW b W	1½ to 5	0.21	Neg.	0.3		Above 10m.
2 „	.541	.703	75.8	74.8	1.0	74.4	.96	76.2	80.6	„	0.0	0.05				
3 „	.516	.546	79.4	79.4	0.0	79.0	1.00	79.6	80.9	WNW	1 to 9	0.05	Neg.	0.1		Above 10m.
4 „	.534	.554	80.4	79.6	0.8	79.3	0.97	80.0	81.0	NW b N	1½ to 2	0.25				
5 „	.532	.537	80.5	80.0	0.5	79.8	.98	80.2	81.1	„	1¼ to 1⅔	0.03				
6 „	.534	.540	80.6	80.0	0.6	79.8	.98	80.0	81.1	„	1½ to 1½	0.15				
7 „	.558	.572	81.4	80.0	1.4	79.5	.94	82.0	81.2	WNW	0.1					
8 „	.576	.639	82.0	79.0	3.0	77.9	.88	82.0	81.2	N	0.1					
9 „	.594	.732	77.8	76.0	1.8	75.3	.92	78.1	81.0	N b E	0.3	0.33	Neg.	Out of Sc	Out of Sc.	Instantly.
10 „	.599	.711	79.0	77.0	2.0	76.2	.92	79.3	81.1	NW	1 to 1⅔	0.11				
11 „	.583	.719	78.4	76.2	2.2	75.4	.91	78.2	81.1	NW b N	1 to 2½	0.17				
Noon.	.575	.585	82.6	80.4	2.2	79.6	.91	83.0	81.5	NW b W	0.2	0.01				
1 p. m.	.568	.642	83.0	79.0	4.0	77.5	.84	83.2	82.0	W b N	0.3					
2 „	.553	.585	84.6	80.4	4.2	78.9	.84	84.3	82.3	W b S	0.1					
3 „	.546	.564	84.4	80.7	3.7	79.4	.85	84.2	82.5	W	0.2					
4 „	.549	.572	82.2	80.0	2.2	79.2	.91	82.8	82.3	„	0.2	0.03				
5 „	.560	.549	83.0	81.0	2.0	80.3	.92	82.5	82.4	„	0.1					
6 „	.576	.561	82.6	81.0	1.6	80.4	.94	83.2	82.3	„	0.1					
7 „	.570	.591	82.0	80.0	2.0	79.3	.92	82.2	82.3	„	0.1					
8 „	.588	.609	82.0	80.0	2.0	79.3	.92	82.2	82.4	„	0.1					
9 „	.607	.605	82.2	80.6	1.6	80.0	.93	82.5	82.5	„	0.1					
10 „	.608	.603	82.0	80.6	1.4	80.1	.94	82.3	82.5	W b S	0.1					
11 „	.610	.614	82.0	80.4	1.6	79.8	.93	82.3	82.5	„	0.1					
June 11th-Midnight	.598	29.584	82.0	80.8	1.2	80.4	.95	82.3	82.5	W b S	0.2					
1 a. m.	.578	.599	82.0	80.0	2.0	79.3	.92	82.3	82.6	W b N	0.2					
2 „	.590	.736	76.4	75.4	1.0	78.5	.96	76.2	82.0	NW	0.7	0.23				
3 „	.591	.812	75.0	73.0	2.0	72.1	.91	76.2	81.6	NNW	0.1	0.03				
4 „	.589	.767	76.2	74.5	1.7	73.8	.93	77.0	81.5	SSW	0.2					
5 „	.593	.759	76.8	75.0	1.8	74.3	.92	77.4	81.4	„	0.1					
6 „	.614	.743	77.0	76.0	1.0	75.6	.96	78.2	81.4	„	0.1					
7 „	.601	.708	78.5	77.0	1.5	76.4	.94	79.8	81.5	„	0.1					
8 „	.646	.624	82.0	71.0	1.0	80.6	.96	82.5	81.6	W b S	0.2					
9 „	.639	.706	81.6	78.8	2.8	77.8	.89	82.2	81.9	W b N	0.1					
10 „	.664	.686	82.8	80.2	2.6	79.3	.90	83.8	82.0	„	0.1					
11 „	.670	.727	83.8	79.6	4.2	78.1	.84	84.2	82.4	„	0.1		None.	None.	None.	None.
Noon.	.673	.705	86.2	80.8	5.4	78.9	.80	86.3	82.7	WNW	0.1					
1 p. m.	.664	.696	87.7	81.2	6.5	78.9	.76	87.2	83.2	„	0.1					
2 „	.664	.634	86.4	81.7	4.7	80.1	.82	86.0	83.2	W b N	0.1					
3 „	.638	.590	85.5	82.0	3.5	80.8	.86	85.7	83.2	WSW	0.4					
4 „	.617	.572	85.5	82.0	3.5	80.8	.86	85.7	83.2	W b S	0.4					
5 „	.599	.579	85.3	82.0	3.3	80.9	.87	86.0	83.2	W	0.2					
6 „	.609	.620	84.0	81.0	3.0	80.0	.88	84.2	83.3	„	0.4					
7 „	.620	.667	83.2	80.0	3.2	78.9	.87	83.4	83.4	„	0.1					
8 „	.633	.701	83.0	80.0	3.0	78.9	.88	83.2	83.3	„	0.2					
9 „	.669	.688	82.8	80.6	2.2	79.8	.91	83.2	83.3	W b S	0.3					
10 „	.684	.711	82.4	80.2	2.2	79.4	.91	82.6	83.2	„	0.2					
11 „	.694	.714	82.4	80.2	2.2	79.4	.91	82.4	83.2	„	0.3					
June 12th-Midnight	.671	28.694	82.2	80.0	2.2	79.2	.91	82.3	83.2	W	0.3					
1 a. m.	.658	.705	82.0	79.4	2.6	78.4	.89	82.4	83.2	W b S	0.1					
2 „	.654	.693	81.8	79.5	2.3	78.7	.90	82.3	83.2	„	0.2					
3 „	.645	.754	81.6	77.8	3.8	76.3	.85	82.0	83.1	„	0.2					
4 „	.648	.687	81.8	79.5	2.3	78.7	.90	82.2	83.1	WSW	0.1					
5 „	.642	.701	81.6	79.0	2.6	78.0	.93	82.2	83.1	„	0.1		None.	None.	None.	None.
6 „	.660	.681	82.0	80.0	2.0	79.3	.92	82.4	83.2	„	0.1					
7 „	.679	.709	82.8	80.0	2.8	79.0	.89	84.0	83.2	„	0.1					
8 „	.704	.710	84.5	81.0	3.5	79.8	.86	85.2	83.5	„	0.1					
9 „	.718	.689	85.4	82.0	3.4	80.9	.87	86.3	83.5	W b S	0.1					
10 „	.719	.709	87.1	82.0	5.1	80.3	.81	87.3	83.9	„	0.1					
11 „	.707	.696	87.8	82.2	5.6	80.3	.79	88.1	84.0	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
8	N	Overcast; raining.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°8 and 85°7. Daily fall of rain by Osler's Gauge 1.36 in. Maximum Tension of Electricity by Henly's Apparatus was 3.0 Scale Divisions; Maximum length of Sparks by Ronald's measure 0.02 in. On the 10th, at 4 A. M., the Barometer rose a little instead of falling. At 3 A. M. the Wet Bulb Thermometer rose 4°6 in one hour, the Air being completely saturated at this time. At 9 A. M. it fell 3°, and at Noon it rose again 4°2 in one hour respectively.
8	L	Overcast; raining; light breezes of wind.	
8	L	Overcast; raining; gusts of wind.	
8	L	" " " "	
8	L	Overcast; raining.	
8	D	" "	
8	D	Overcast with ⌒⌒i in two strata.	
8	D	" " " "	
8	D	Overcast with ⌒⌒i, moving SE; light rain at 8h. 26m.	
8	N	Overcast; raining lightly.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	Overcast in two strata with ⌒⌒i, moving E.	
8	L	" " " " "	
8	L	Overcast; rain commenced at 3h. 26m., which ceased at 3h. 40m.	
8	L	Overcast in two strata with ⌒⌒i, moving SE.	
8	D	" " " " "	
8	D	" " " " "	
8	D	Overcast with ⌒⌒i, moving E.	
8	D	" " "	
8	N	Overcast with ⌒⌒i, moving E; a few drops of rain at 9h. 55m.	
8	N	Overcast with ⌒⌒i, moving E.	
8	N	Overcast; a few stars about zth. dimly visible.	
8	N	Overcast in two strata, the lower stratum of ⌒⌒i moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9. Daily fall of rain by Osler's Gauge 0.23 in. On the 11th Abnormal state of Barometer. At 2 A. M. the Temperature of Air fell 5°6 and that of Wet Bulb Thermometer fell 4°6 in one hour. At 3 A. M. the Temperature of Air was 75.0, being the lowest in the month; also the Temperature of Dew-Point at the same hour was lowest in the month. Range of Air Temperature greatest in the month. At 3 A. M. the Temperature of Wet Bulb Thermometer was the lowest in the month.
6	L	⌒⌒i scattered throughout, except about zth.; rain commenced at 1h. 40m.; gusts of wind.	
8	L	Overcast with ⌒⌒i; raining lightly.	
8	L	Overcast; rain ceased at 3h. 15m.	
8	L	Overcast with ⌒⌒i, moving NE.	
8	D	" " "	
8	D	" " "	
8	D	Overcast with ⌒⌒i, moving NE; a few drops of rain at 7h. 17m.	
8	D	Overcast with ⌒⌒i, moving NE.	
8	N	" " " " ; drizzling rain.	
8	N	Overcast.	
8	N	"	
8	N	"	
8	L	"	
8	L	"	
8	L	"	
8	L	"	
8	D	"	
8	D	"	
8	D	Overcast with ⌒⌒i; light rain at 7h. 35m.	
8	D	Overcast; a few stars dimly visible about zth.	
6	N	Scud scattered about, moving SE.	
4	N	Scud scattered about, moving SE; light drops of rain at 10h. 53m.	
5	N	⌒⌒i scattered about.	
2	N	⌒⌒i scattered about hor.; hazy.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9. On the 12th, at 4 A. M., the Barometer rose a little instead of falling. At 10 A. M. the Reading of Barometer was 29.719 in., being 0.031 in. higher than the Normal Mean.
3	L	" " " "	
3	L	" " " "	
3	L	" " " "	
0	L	Clear, except in hor.	
8	D	Overcast with ⌒i and ⌒⌒i.	
8	D	⌒⌒i around hor.; otherwise clouded with ⌒i and ⌒⌒i.	
8	D	" " " " " "	
8	D	Overcast with ⌒⌒i, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 12th—Noon.	29.688	28.661	88°8	82°3	6°0	80°8	0.78	89°2	84°4	W b S	0.3					
1 p. m.	.665	.675	88.9	82.0	6.9	79.6	.75	88.7	84.6	„	0.2					
2 „	.644	.621	89.2	82.8	6.4	80.7	.77	89.2	84.8	W	0.2					
3 „	.623	.620	88.1	82.1	6.0	80.1	.78	88.0	84.9	„	0.4					
4 „	.622	.643	87.5	81.4	6.1	79.3	.77	87.4	84.9	„	0.2					
5 „	.620	.642	86.0	81.0	5.0	79.3	.81	86.4	84.8	„	0.0					
6 „	.635	.641	84.5	81.0	3.5	79.8	.86	85.2	84.7	W b S	0.1	None.	None.	None.	None.	None.
7 „	.638	.676	83.5	80.0	3.5	78.7	.86	84.0	84.6	„	0.1					
8 „	.646	.700	83.0	79.0	4.0	77.5	.84	83.2	84.5	WSW	0.1					
9 „	.650	.682	83.0	80.0	3.0	78.9	.88	83.4	84.2	„	0.2					
10 „	.663	.718	82.8	79.4	3.4	78.2	.86	83.2	84.1	„	0.2					
11 „	.659	.693	82.4	79.4	2.6	78.9	.93	83.1	84.0	„	0.1					
June 13th—Midnight	.637	.691	82.2	79.2	3.0	78.2	.88	82.8	84.0	WSW	0.1					
1 a. m.	.613	.660	82.0	79.4	2.6	78.4	.93	82.4	83.9	„	0.1					
2 „	.592	.665	81.8	78.7	3.1	77.6	.87	82.7	83.9	„	0.1					
3 „	.588	.660	81.7	78.7	3.0	77.6	.88	82.6	83.8	SW b W	0.1					
4 „	.598	.683	82.0	78.7	3.3	77.2	.87	82.6	83.7	„	0.2					
5 „	.604	.685	81.7	78.5	3.2	77.3	.87	82.0	83.8	WSW	0.1					
6 „	.634	.697	82.0	79.0	3.0	77.9	.88	82.2	83.7	„	0.1					
7 „	.649	.698	82.7	79.5	3.2	78.4	.87	83.8	83.8	W b S	0.1					
8 „	.656	.708	84.8	80.0	4.8	78.3	.81	85.2	84.0	WSW	0.1					
9 „	.659	.664	86.0	81.4	4.6	79.8	.82	86.2	84.2	„	0.2					
10 „	.668	.670	88.2	82.0	6.2	79.9	.77	88.3	84.5	W	0.2					
11 „	.658	.663	89.3	82.2	7.1	79.8	.74	90.0	84.9	W b S	0.2	Immeasurable.	None.	None.	None.	None.
Noon.	.642	.617	89.8	83.0	6.8	80.7	.76	89.8	85.0	WSW	0.1					
1 p. m.	.616	.613	89.4	82.4	7.0	80.1	.75	88.9	85.1	W b S	0.1					
2 „	.602	.596	89.9	82.6	7.3	80.1	.74	89.2	85.3	„	0.2					
3 „	.584	.595	89.0	82.0	7.0	79.6	.75	88.7	85.4	„	0.1					
4 „	.573	.576	88.6	82.1	6.5	79.9	.76	88.4	85.5	„	0.1					
5 „	.581	.605	87.0	81.2	5.8	79.2	.78	86.8	85.4	„	0.1					
6 „	.585	.617	84.6	80.4	4.2	78.9	.84	84.6	85.0	„	0.2					
7 „	.598	.631	83.8	80.2	3.6	78.9	.86	84.2	85.0	W	0.1					
8 „	.617	.651	83.2	80.0	3.2	78.9	.87	84.0	84.8	W b S	0.1					
9 „	.614	.646	83.0	80.0	3.0	78.9	.88	84.0	84.7	„	0.3					
10 „	.622	.694	82.8	79.0	3.8	77.6	.85	83.8	84.6	WSW	0.2					
11 „	.618	.654	82.6	79.8	2.8	78.8	.89	83.3	84.5	W b S	0.3					
June 14th—Midnight	.613	.666	82.6	79.4	3.2	78.2	.87	83.3	84.5	W b S	0.2					
1 a. m.	.586	.648	82.4	79.1	3.3	77.9	.87	83.0	84.4	„	0.3					
2 „	.572	.629	82.2	79.2	3.0	78.1	.88	82.8	84.3	„	0.2					
3 „	.573	.652	82.0	78.6	3.4	77.4	.86	82.6	84.2	„	0.1					
4 „	.575	.644	81.8	78.8	3.0	77.7	.88	82.4	84.1	„	0.2					
5 „	.595	.700	82.0	78.0	4.0	76.5	.84	82.5	83.9	„	0.1					
6 „	.607	.673	82.3	79.0	3.3	77.8	.87	83.0	84.1	„	0.1					
7 „	.614	.671	83.4	79.5	3.9	78.1	.84	83.8	84.2	„	0.1					
8 „	.624	.659	85.2	80.5	4.7	78.8	.82	86.2	84.4	„	0.1					
9 „	.640	.671	86.8	81.0	5.8	79.0	.78	86.8	84.5	„	0.1					
10 „	.644	.646	88.2	82.0	6.2	79.9	.77	88.2	84.7	„	0.1					
11 „	.648	.623	89.0	82.8	6.2	80.9	.77	88.6	85.0	„	0.1	None.	None.	None.	None.	None.
Noon.	.633	.610	90.0	83.0	7.0	80.7	.75	90.0	85.3	„	0.1					
1 p. m.	.626	.639	90.0	82.2	7.8	79.5	.72	89.6	85.5	WSW	0.3					
2 „	.607	.656	90.0	81.4	8.6	78.4	.70	89.6	85.5	„	0.1					
3 „	.602	.600	89.5	82.4	7.1	80.0	.74	89.3	85.6	„	0.2					
4 „	.599	.607	89.1	82.1	7.0	79.7	.75	89.0	85.7	„	0.2					
5 „	.597	.630	87.0	81.0	6.0	78.9	.78	87.0	85.6	W b S	0.1					
6 „	.620	.628	84.7	81.0	3.7	79.7	.85	85.2	85.4	WSW	0.1					
7 „	.633	.674	83.5	80.0	3.8	78.6	.85	84.4	85.2	„	0.1					
8 „	.640	.718	83.4	79.0	4.4	77.4	.83	84.0	85.1	„	0.1					
9 „	.652	.726	83.0	79.0	4.0	77.5	.84	83.8	85.0	„	0.1					
10 „	.662	.736	83.0	79.0	4.0	77.5	.84	83.4	84.9	„	0.1					
11 „	.663	.737	83.0	79.0	4.0	77.5	.84	83.4	84.8	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀≀ nimbi.	
8	N	Overcast with ≀≀, moving E.	
8	L	" " "	
8	L	" " "	
8	L	" " "	
8	L	Densely clouded with ≀≀ and ≀≀, both moving E.	
7	D	" " " " " "	
6	D	≀≀ around hor.; ≀ and ≀≀ scattered about.	
8	D	≀≀ around hor., moving E; ≀ scattered about.	
8	D	Overcast with ≀ and light ≀≀, the latter moving E.	
6	N	≀≀ scattered about, moving E.	
6	N	" " " "	
		" " " "	
6	N	Clouded with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9.
7	N	Densely clouded with ≀≀, moving E.	
4	L	≀≀ scattered around hor.	
5	L	≀≀ scattered in W hem. and around hor.	On the 13th, at 9 P. M., the Barometer fell a little instead of rising.
6	L	≀≀ scattered about.	
8	D	Overcast with ≀≀ and ≀≀.	
8	D	≀≀ around hor., moving E; ≀ scattered throughout.	
7	D	A few patches of ≀≀ about hor. from N to SE, and ≀ scattered throughout.	
8	D	Densely clouded with ≀≀ and ≀≀, the latter moving E; hazy.	
7	N	Densely clouded with ≀≀, moving E.	
7	N	" " " "	
8	N	" " " "	
8	N	" " " "	
8	L	Light ≀≀ in SE; ≀ scattered throughout; hazy.	
8	L	≀≀ in E, SE, and about zth., otherwise clouded with ≀; hazy.	
8	L	≀≀ and ≀ scattered throughout; hazy.	
8	L	" " " "	
6	N	Clouded with ≀≀, moving E; a few drops of rain at 5h. 24m.	
6	N	Clouded as before, but no rain.	
6	D	≀≀ and ≀ scattered about; light rain at 7h. 25m. for 2m.	
6	D	≀≀ around hor., moving NE; ≀ scattered about.	
6	N	≀≀ scattered about, moving E.	
3	N	Scud floating E; hazy.	
6	N	" " "	
6	N	Masses of ≀≀ scattered about, moving W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9.
4	L	" " " " "	
4	L	" " " " "	
2	L	≀≀ scattered around hor., otherwise clear.	On the 14th both Maximas of Barometer were a little later. At 2 A. M. the Reading of Barometer was 29.572 in., being 0.056 in. lower than the Normal Mean. At noon the Temperature of Wet Bulb Thermometer was the highest in the month.
2	L	≀≀ around hor. and in NE; drops of rain at 4h. 14m.	
8	D	Densely clouded with ≀≀ and ≀≀, the former moving NE.	
8	D	" " " " " " "	
6	D	" " " " " " "	
6	D	≀≀ scattered about, moving E; hazy.	
5	N	" " " "	
4	N	" " " "	
6	N	" " " "	
6	N	" " " "	
7	L	" " " "	
5	L	≀≀ around hor.; ≀≀ about zth.; ≀ scattered in W hem.	
6	L	≀≀ around hor. from SW to NE; ≀≀ dispersed in SW and zth.	
6	L	≀≀ scattered about, moving E; hazy.	
8	D	Overcast with ≀≀, moving E; light rain at 5h. 14m.	
8	D	≀, ≀≀, and ≀≀ scattered throughout, moving E.	
8	D	" " " " "	
5	D	≀≀ in hor., moving E; ≀ scattered throughout.	
6	D	" " " " "	
8	D	" " " " "	
5	D	" " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 16th-Midnight	29.664	28.687	82°2	80°0	2°2	79°2	0.91	83°2	84°5	SW	0.4					
1 a. m.	.643	.685	82.4	79.6	2.8	78.6	.89	83.3	84.5	SW b W	0.2					
2 „	.626	.683	82.2	79.2	3.0	78.1	.88	83.0	84.5	„	1.0					
3 „	.618	.681	82.0	79.0	3.0	77.9	.88	82.9	84.4	„	0.5					
4 „	.619	.682	82.0	79.0	3.0	77.9	.88	82.8	84.4	SW	0.4					
5 „	.625	.686	81.8	79.0	2.8	78.0	.89	82.4	84.4	„	0.1					
6 „	.651	.718	82.4	79.0	3.4	77.8	.86	83.0	84.3	„	0.1					
7 „	.663	.703	83.7	80.0	3.7	78.7	.85	83.8	84.4	„	0.1					
8 „	.682	.689	84.6	81.0	3.6	79.7	.86	85.7	84.6	„	0.1					
9 „	.695	.717	86.0	81.0	5.0	79.3	.81	86.3	84.6	WSW	0.1					
10 „	.695	.714	85.7	81.0	4.7	79.4	.82	86.2	84.6	„	0.1					
11 „	.687	.660	86.4	82.2	4.2	80.8	.84	87.2	84.8	SW	0.2	0.01				
Noon.	.670	.628	88.3	83.0	5.3	81.3	.80	88.4	85.1	WSW	0.2		None.	None.	None.	None.
1 p. m.	.667	.678	88.2	81.8	6.4	79.6	.77	88.4	85.3	W b S	½ to 1½					
2 „	.653	.677	85.4	80.8	4.6	79.2	.82	86.2	85.0	„	½ to 2½	0.05				
3 „	.642	.610	86.8	82.4	4.4	81.0	.83	87.2	85.2	WSW	0.4					
4 „	.626	.630	87.6	81.8	5.8	79.8	.79	87.5	85.4	„	0.3					
5 „	.623	.641	85.6	81.0	4.6	79.4	.82	86.0	85.3	„	0 to 2					
6 „	.629	.678	84.5	80.0	4.5	78.4	.82	85.2	85.2	„	0.1					
7 „	.638	.699	81.8	79.0	2.8	78.0	.89	82.4	85.0	SW b S	0 to 1½	0.16				
8 „	.651	.734	80.8	78.2	2.6	77.2	.89	81.2	84.7	SW	0.0	.07				
9 „	.660	.707	82.0	79.4	2.6	78.4	.89	82.3	84.5	SW b W	½ to 2½					
10 „	.663	.701	81.2	79.4	1.8	78.7	.93	82.1	84.3	WSW	½ to 2	.15				
11 „	.661	.694	82.0	79.7	2.3	78.9	.91	82.3	84.3	„	0.4	.05				
June 17th-Midnight	.652	.709	82.2	79.2	3.0	78.1	.88	82.6	84.3	WSW	½ to 1½					
1 a. m.	.632	.686	82.3	79.3	3.0	78.2	.88	82.8	84.5	SW b W	0.8					
2 „	.618	.667	82.2	79.4	2.8	78.4	.89	82.6	84.2	„	0.6					
3 „	.615	.676	82.2	79.1	3.1	78.0	.87	82.6	84.3	WSW	½ to 1					
4 „	.605	.695	81.4	78.2	3.2	77.0	.87	82.2	84.1	SW b W	0.5					
5 „	.603	.699	81.0	78.0	3.0	76.8	.87	82.0	84.0	W	½ to 1					
6 „	.617	.749	80.8	77.0	3.8	75.5	.85	80.4	83.8	„	0.1					
7 „	.629	.765	81.5	79.5	2.0	75.4	.92	82.2	83.9	WSW	0.3	0.12				
8 „	.635	.668	82.3	79.8	2.5	78.9	.90	83.2	84.0	SW b W	0.5	0.02				
9 „	.650	.674	84.6	80.6	4.0	79.2	.84	85.2	84.2	„	0.2					
10 „	.654	.645	85.6	81.6	4.0	80.2	.85	86.2	84.4	„	½ to ¾					
11 „	.651	.650	86.7	81.7	5.0	80.0	.81	87.0	84.6	WSW	½ to 1		None.	None.	None.	None.
Noon.	.645	.645	88.0	82.0	6.0	80.0	.78	88.0	84.8	SW b W	0.2					
1 p. m.	.632	.644	87.1	81.5	5.6	79.6	.79	87.2	85.0	„	0.3					
2 „	.615	.616	86.5	81.6	4.9	80.0	.81	87.0	85.0	W b S	0.5					
3 „	.605	.622	87.6	81.5	6.1	79.4	.77	87.2	85.2	WSW	0.6					
4 „	.590	.623	87.0	81.0	6.0	78.9	.78	87.0	85.2	W b S	0.4					
5 „	.581	.648	86.2	80.0	6.2	77.8	.77	86.2	85.1	SW b W	½ to 1½					
6 „	.596	.670	83.0	79.0	4.0	77.5	.84	84.0	84.9	„	0.1					
7 „	.606	.680	83.0	79.0	4.0	77.5	.84	84.0	84.7	„	0.1					
8 „	.612	.680	82.8	79.0	3.8	77.6	.85	83.2	84.6	SW	0.1					
9 „	.625	.686	82.6	79.2	3.4	77.3	.86	82.8	84.6	„	0.1					
10 „	.631	.700	82.5	79.0	3.5	77.7	.86	82.7	84.6	„	0.2					
11 „	.624	.689	82.2	79.0	3.2	77.8	.87	82.4	84.5	„	0.2					
June 18th-Midnight	.620	.693	82.2	78.8	3.4	77.6	.86	82.4	84.4	SW	0.1					
1 a. m.	.601	.670	81.8	78.8	3.0	77.7	.88	82.4	84.4	„	0.2					
2 „	.584	.646	80.8	78.7	2.1	77.9	.81	82.0	84.2	„	0.1	0.07				
3 „	.576	.656	81.2	78.4	2.8	77.3	.89	82.0	84.1	WSW	0.0					
4 „	.577	.704	80.3	76.8	3.5	75.7	.86	81.0	84.0	„	0.0					
5 „	.585	.679	81.0	78.0	3.0	76.8	.88	82.0	83.9	„	0.0					
6 „	.596	.694	81.4	78.0	3.4	76.7	.86	82.4	83.8	W	0.1		None.	None.	None.	None.
7 „	.620	.689	82.5	79.0	3.5	77.7	.86	84.2	83.9	W b S	0.1					
8 „	.640	.690	84.6	80.0	4.6	78.3	.82	85.0	84.3	„	0.1					
9 „	.658	.678	85.8	81.0	4.8	79.3	.82	86.2	84.4	„	0.1					
10 „	.660	.666	87.3	81.7	5.6	79.8	.79	87.3	84.6	WSW	0.2					
11 „	.650	.667	88.0	81.6	6.4	79.4	.77	88.1	84.9	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	N	scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9. Daily fall of rain by Osler's Gauge 0.46 ins. On the 16th occasional gusts of Wind in the afternoon, Maximum Pressure being 2.5 lbs.; the range of Barometer was small.
6	L	around hor.; in E, SE, and S; scattered about NW, W, and NE hor.	
6	L	" " " " " " " " "	
2	L	around hor.; patches of above S and SW hor.	
3	L	scattered about, moving NE.	
5	D	and dispersed about.	
7	D	Densely covered with and ; rain in drops at 6h. 4m.	
6	D	Clouded as before, but no rain.	
6	D	" " "	
8	N	Overcast with , moving NE.	
8	N	Clouded as before; a passing shower of rain at 10h. 30m.	
7	N	Clouded as before; a passing shower of rain at 11h. 30m.	
7	N	Clouded as before, but no rain.	
7	L	Densely clouded with , moving E; rain at 1h. 25m. for 9m.	
7	L	Nearly overcast; light rain at 2h. 53m.	
7	L	Nearly overcast with , moving NE.	
5	L	and a few streaks of scattered about, the former moving ENE.	
8	D	around hor.; otherwise clouded with dense .	
8	D	Clouded as before; rain commenced at 6h. 28m. and lasted 9m.	
6	D	Clouded as before; light rain at 7h. 22m. which ceased at 7h. 31m.	
3	D	Scud moving about.	
7	N	Scud floating E; passing showers of rain.	
8	N	Overcast with , moving E; a passing shower of rain at 10h. 12m.	
8	N	Clouded as on the last hour.	
8	N	Overcast with , moving ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9. Daily fall of rain by Osler's Gauge 0.15 ins. On the 17th occasional gusts of Wind, Maximum Pressure being 2.5 lb.; the range of Barometer was small.
8	L	and scattered throughout, the former moving ENE.	
7	L	Densely covered with , moving E.	
8	L	Overcast with ; rain commenced at full hour and lasted 9m.	
8	L	Densely clouded with ; a few stars visible in E and NW.	
8	D	Overcast with .	
8	D	Overcast; light rain at 6h. 4m. for 9m., and again at 6h. 37m.	
8	D	Overcast with , moving NE; light rain at 7h. 43m.	
8	D	Clouded as before, but no rain.	
8	N	scattered throughout, moving E.	
8	N	" " " "	
7	N	" " " "	
7	N	" " " "	
8	L	" " " "	
6	L	scattered about, moving E; haze in SW and W.	
7	L	Densely clouded with , moving NE.	
6	L	around hor.; scattered about zth.; haze in W hem.	
5	D	scattered about, moving E; light rain at 5h. 23m.; a rainbow in E.	
3	D	scattered around hor., moving E.	
4	D	scattered around hor., moving NE.	
5	D	scattered around hor., moving E.	
6	N	scattered about, moving ENE.	
8	N	around hor.; otherwise clear.	
6	N	scattered about, moving ENE.	
6	N	scattered about, moving E; a passing shower of rain at 0h. 9m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°9. Daily fall of rain by Osler's Gauge 0.10 ins. On the 18th the Evening Maximum of Barometer was a little later.
6	L	Clouded as before; rain at 1h. 34m. which lasted 1h. 38m.	
6	L	scattered throughout, except about zth.	
4	L	scattered around hor., moving NE.	
2	L	scattered in hor.	
7	D	scattered throughout.	
5	D	scattered about, moving NE; light rain at 6h. 24m. which ceased at 6h. 33m.	
6	D	scattered about NE; haze around hor.	
5	D	" " " " "	
5	N	" " " " "	
6	N	scattered about, moving E.	
4	N	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 18th-Noon.	29.642	28.644	89°0	82°2	6°8	79°9	0.75	88°8	85°0	WSW	0.1					
1 p.m.	.638	.621	88.9	82.6	6.3	80.5	.77	89.2	85.4	W b S	0.1					
2 „	.626	.638	89.1	82.0	7.1	79.6	.74	89.1	85.5	„	0.2					
3 „	.613	.635	89.2	81.8	7.4	79.3	.73	89.4	85.6	W	0.3					
4 „	.606	.659	89.2	81.1	8.1	78.2	.71	88.7	85.7	„	0.3					
5 „	.605	.629	86.2	81.0	5.2	79.2	.80	87.2	85.6	„	0.1					
6 „	.615	.669	85.0	80.0	5.0	78.2	.81	86.4	85.5	„	0.1		None.	None.	None.	None.
7 „	.627	.712	84.0	79.0	5.0	77.2	.81	84.2	85.2	W b S	0.1					
8 „	.639	.717	83.4	79.0	4.4	77.4	.83	84.0	85.0	„	0.1					
9 „	.649	.727	83.4	79.0	4.4	77.4	.83	84.2	85.0	„	0.1					
10 „	.660	.721	82.6	79.2	3.4	78.0	.86	83.2	84.9	„	0.1	0.04				
11 „	.668	.716	82.6	79.5	3.1	78.4	.88	83.2	84.8	„	0.2					
June 19th-Midnight	.663	.712	82.2	79.4	2.8	78.4	.89	83.0	84.6	WSW	0.1	0.02				
1 a.m.	.642	.707	82.2	79.0	3.2	77.8	.87	83.0	84.6	„	0.1					
2 „	.625	.690	81.4	78.8	2.6	77.8	.89	82.2	84.5	„	0.2					
3 „	.627	.712	81.1	78.0	3.1	77.2	.87	82.0	84.4	SW b W	0.1					
4 „	.634	.693	81.6	79.0	2.6	78.0	.89	82.5	84.4	„	0.2					
5 „	.638	.699	81.8	79.0	2.8	78.0	.89	82.2	84.3	WNW	0.1					
6 „	.666	.729	82.0	79.0	3.0	77.9	.88	82.4	84.3	W b S	0.1					
7 „	.682	.718	83.4	80.0	3.4	78.8	.86	84.2	84.5	„	0.1					
8 „	.708	.765	85.3	80.0	5.3	78.1	.80	86.0	84.6	„	0.1					
9 „	.722	.762	87.6	81.0	6.6	78.7	.76	88.0	84.9	„	0.1					
10 „	.722	.729	88.6	82.0	6.6	79.7	.76	88.6	85.2	„	0.1					
11 „	.726	.739	89.2	82.0	7.2	79.5	.74	89.2	85.4	W b N	0.1		None.	None.	None.	None.
Noon.	.715	.709	89.5	82.5	7.0	80.1	.75	89.6	85.5	„	0.2					
1 p.m.	.707	.702	90.4	82.4	8.0	80.1	.72	90.2	85.7	W	0.2					
2 „	.690	.701	91.0	82.5	8.5	79.6	.70	90.8	86.0	„	0.1					
3 „	.680	.682	90.2	82.5	7.7	79.9	.73	90.4	86.1	„	0.1					
4 „	.672	.656	89.0	82.6	6.4	80.5	.77	89.2	86.1	W b S	0.1					
5 „	.671	.764	87.6	80.0	7.6	77.2	.72	88.4	86.0	„	0.1					
6 „	.679	.739	85.5	80.0	5.5	78.0	.79	86.2	85.9	„	0.1					
7 „	.694	.779	84.0	79.0	5.0	77.2	.81	85.0	85.7	„	0.1					
8 „	.703	.783	83.5	79.0	4.5	77.3	.82	84.2	85.5	SW b W	0.1					
9 „	.716	.778	83.4	79.4	4.0	77.9	.84	84.2	85.3	WSW	0.1					
10 „	.735	.769	83.2	80.0	3.2	78.9	.87	84.1	85.2	SW b W	0.1					
11 „	.743	.796	83.0	79.5	3.5	78.2	.86	84.0	85.0	„	0.1					
June 20th-Midnight	.732	.778	82.8	79.6	3.2	78.5	.87	83.8	85.0	SW	0.1					
1 a.m.	.715	.785	82.6	79.0	3.6	77.7	.86	83.5	85.0	SW b W	0.1					
2 „	.707	.768	81.8	79.0	2.8	78.0	.89	82.8	84.8	WSW	0.1	0.03				
3 „	.696	.749	81.8	79.2	2.6	78.2	.89	82.8	84.7	W b S	0.1					
4 „	.698	.761	82.0	79.0	3.0	77.9	.88	83.0	84.6	W b N	0.2					
5 „	.704	.806	81.7	78.0	3.7	76.6	.85	82.2	84.5	„	0.1					
6 „	.732	.837	82.0	78.0	4.0	76.5	.84	82.4	84.4	W	0.0					
7 „	.741	.815	83.0	79.0	4.0	77.5	.84	84.7	84.5	W b N	0.0					
8 „	.769	.829	85.5	80.0	5.5	78.0	.79	86.4	84.9	W b S	0.1					
9 „	.762	.764	85.8	81.4	4.4	79.9	.83	87.2	85.0	„	0.1					
10 „	.763	.773	87.8	81.8	6.0	79.7	.78	88.3	85.3	„	0.1					
11 „	.759	.793	88.3	81.3	7.0	78.9	.74	88.3	85.5	W	0.1		None.	None.	None.	None.
Noon.	.755	.746	89.6	82.6	7.0	80.2	.75	90.0	85.7	WSW	0.1					
1 p.m.	.744	.742	89.4	82.4	7.0	80.0	.75	89.6	85.8	W	0.2					
2 „	.732	.712	90.3	83.0	7.3	80.6	.74	90.0	86.0	„	0.1					
3 „	.714	.727	90.4	82.3	8.1	79.5	.71	90.0	86.2	„	0.1					
4 „	.696	.745	90.0	81.4	8.6	78.4	.70	89.7	86.3	„	0.2					
5 „	.699	.759	88.3	80.7	7.6	78.0	.72	88.4	86.2	W b N	0.1					
6 „	.699	.804	85.8	79.0	6.8	76.5	.74	86.2	86.0	W	0.1					
7 „	.717	.809	84.6	79.0	5.6	76.9	.78	84.7	85.7	„	0.1					
8 „	.728	.813	84.0	79.0	5.0	77.2	.81	84.0	85.5	W b S	0.1					
9 „	.736	.819	83.8	79.0	4.8	77.2	.81	84.2	85.5	„	0.2					
10 „	.737	.792	83.6	79.6	4.0	78.1	.84	84.2	85.5	W b N	0.1					
11 „	.734	.801	83.5	79.3	4.2	77.8	.84	84.2	85.3	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
6	N	≀≀ and ≀ scattered about, the former moving E.	
7	L	≀≀ around hor.; ≀≀ in zth.; otherwise clouded with ≀.	
7	L	" " " " " " "	
8	L	≀≀ around hor.; streaks of ≀ in E and SE; ≀≀ scattered throughout.	
8	L	≀≀ in hor.; ≀≀ in E; and ≀ scattered about.	
8	D	Overcast with ≀≀, moving E.	
6	D	≀≀ scattered about, moving E.	
5	D	" " " "	
4	D	≀≀ scattered about hor., moving E.	
7	N	Densely clouded with ≀≀, moving E; rain at 9h. 7m. which lasted 4m.	
3	N	≀≀ scattered about; hazy.	
5	N	Clouded as before; light rain at 11h. 24m.	
3	N	≀≀ scattered about, moving E; light rain at 24m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.01 in.
6	L	≀≀ dispersed throughout, except about zth; hazy.	
5	L	≀≀ around hor.; ≀ scattered about zth.	
8	L	Overcast with ≀≀, moving E; light rain at 3h. 10m. which ceased at 3h. 16m.	
6	L	≀≀ scattered about, moving E.	
6	D	" " " " "	
7	D	Densely clouded with ≀≀, moving E.	
6	D	≀≀ scattered around hor., moving E; ≀ scattered throughout.	
5	D	" " " " " " "	
6	N	≀≀ scattered about, moving E.	
6	N	" " " "	
6	N	" " " "	
5	N	" " " "	
8	L	≀≀ around hor.; ≀ scattered about.	
8	L	≀≀ and ≀ scattered throughout, the former moving E.	
8	L	" " " " " "	
8	L	" " " " " "	
7	D	≀≀ around hor., moving E; ≀ scattered about; hazy.	
8	D	Overcast with ≀≀, moving E; drops of rain at 6h. 14m.	
8	D	≀≀ around hor.; otherwise clouded with dense ≀; hazy.	
8	D	" " " " " " "	
3	N	Masses of ≀≀ scattered about, moving E.	
5	N	" " " " "	
4	N	" " " " "	
4	N	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge immeasurable. On the 20th, at 4 A. M., the Barometer rose a little instead of falling. At 10 A. M. the Reading of Barometer was 29.763 ins. being 0.075 ins. higher than the Normal Mean.
5	L	Clouded as before; light rain at 1h. 35m. which lasted 8m.	
6	L	Clouded with ≀≀, moving E; a passing shower of rain at 2h. 30m.	
5	L	≀≀ scattered about, moving E.	
7	L	" " " "	
7	D	≀≀ around hor., moving E; ≀ and haze scattered throughout.	
8	D	Overcast with dense ≀ and haze; scud floating E; light rain at 6h. 45m. which	
8	D	≀≀ around hor., moving E; ≀ scattered throughout. [ceased at 6h. 49m.	
8	D	" " " " " "	
8	N	Overcast with ≀≀, moving E.	
8	N	Overcast with ≀≀ and ≀, the former moving E.	
6	N	Clouded with ≀≀ and ≀, the former moving E.	
7	N	" " " " " ; light rain at 12h. 40m.	
7	L	≀≀ around hor., moving E; ≀ scattered throughout.	
6	L	≀≀ scattered about, moving E.	
6	L	" " " "	
7	L	≀≀ around hor.; ≀ with haze scattered throughout.	
6	D	≀≀, ≀, and haze scattered throughout, ≀≀ moving E.	
7	D	" " " " " "	
6	D	≀≀ and ≀≀ scattered throughout, the former moving E; drops of rain at 7h. 57m.	
4	D	≀≀ scattered about, moving E; rain commenced at 14h. which lasted 4m.	
5	N	Masses of ≀≀ scattered about, moving E.	
5	N	" " " " "	
5	N	" " " " "	

Bombay* Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 21st-Midnight	29.734	28.804	83°4	79°2	4°2	77°7	0.82	84°1	85°2	WNW	0.3					
1 a. m.	.708	.776	82.8	79.1	3.7	77.7	.85	83.6	85.1	,,	0.3					
2 ,,	.702	.770	82.8	79.1	3.7	77.7	.85	83.5	85.1	W	0.4					
3 ,,	.692	.782	82.6	78.5	4.1	77.0	.84	83.3	85.0	WNW	1.2					
4 ,,	.690	.760	82.6	79.0	3.6	77.7	.86	83.3	84.9	,,	0.6					
5 ,,	.683	.750	82.4	79.0	3.4	77.8	.86	83.2	84.8	,,	0.2					
6 ,,	.718	.785	82.4	79.0	3.4	77.8	.86	83.0	84.7	,,	0.1					
7 ,,	.734	.819	84.0	79.0	5.0	77.2	.81	84.4	84.8	,,	0.2					
8 ,,	.740	.801	85.4	80.0	5.6	78.0	.79	86.2	85.0	,,	0.1					
9 ,,	.750	.813	87.6	80.4	7.0	77.9	.74	88.2	85.3	,,	0.1					
10 ,,	.757	.810	88.8	81.0	7.8	78.2	.72	89.4	85.5	,,	0.1					
11 ,,	.749	.771	90.0	82.0	8.0	79.3	.72	90.2	85.7	,,	0.1				None.	
Noon.	.743	.774	90.8	82.0	8.8	79.0	.69	90.6	86.0	,,	0.2					
1 p. m.	.733	.750	91.1	82.4	8.7	79.4	.70	90.8	86.2	,,	0.2					
2 ,,	.715	.764	91.6	81.8	9.8	78.4	.66	91.0	86.4	,,	0.2					
3 ,,	.707	.749	91.4	81.9	9.5	78.6	.67	91.0	86.5	,,	0.2					
4 ,,	.697	.747	90.6	81.5	9.1	78.3	.68	90.4	86.5	,,	0.2					
5 ,,	.690	.764	88.4	80.4	8.0	77.5	.71	88.4	86.4	W b N	0.1					
6 ,,	.694	.772	86.4	79.8	6.6	77.4	.75	86.8	86.1	,,	0.1					
7 ,,	.714	.810	85.0	79.0	6.0	76.8	.77	86.0	86.0	W	0.1					
8 ,,	.729	.779	84.6	80.0	4.6	78.3	.82	85.4	85.8	W b S	0.1					
9 ,,	.745	.832	84.2	79.0	5.2	77.1	.80	84.8	85.6	W	0.1		Pos.	3.0		Above 10m.
10 ,,	.740	.784	83.7	79.9	3.8	78.5	.85	84.3	85.6	,,	0.1		Pos.	1.0		Above 10m.
11 ,,	.735	.767	83.0	80.0	3.0	78.9	.88	84.1	85.5	WNW	0.1	0.03		0.0		
June 23rd-Midnight	.713	.795	83.0	78.0	4.2	77.3	.84	84.1	85.3	W b N	0.1					
1 a. m.	.701	.801	83.0	78.4	4.6	76.6	.82	84.0	85.1	,,	0.1					
2 ,,	.697	.811	82.8	78.0	4.8	76.1	.81	83.6	85.1	W	0.1					
3 ,,	.687	.788	82.6	78.3	4.3	76.7	.83	83.4	85.1	W b N	0.1					
4 ,,	.684	.820	82.3	77.3	5.0	75.4	.80	83.1	85.0	W	0.2					
5 ,,	.693	.840	82.2	77.0	5.2	75.0	.79	82.6	85.0	,,	0.1					
6 ,,	.710	.858	82.3	77.0	5.3	74.9	.79	82.8	84.8	W b N	0.1					
7 ,,	.736	.827	84.5	79.0	5.5	76.9	.79	85.2	84.9	WNW	0.1					
8 ,,	.744	.800	85.2	80.0	5.2	78.1	.80	86.2	85.1	,,	0.1					
9 ,,	.750	.822	87.8	80.3	7.5	77.6	.73	88.2	85.3	W	0.1					
10 ,,	.743	.805	89.4	80.7	8.7	77.9	.69	89.0	85.5	,,	0.1					
11 ,,	.739	.805	90.0	81.0	9.0	77.8	.68	89.8	85.8	,,	0.1	None.	None.	None.	None.	None.
Noon.	.729	.762	91.0	82.0	9.0	78.9	.69	90.6	86.0	,,	0.1					
1 p. m.	.718	.745	91.7	82.3	9.4	79.1	.68	91.3	86.2	,,	0.1					
2 ,,	.709	.749	92.0	82.1	9.9	78.7	.66	91.2	86.5	,,	0.2					
3 ,,	.697	.740	92.0	82.0	10.0	78.6	.66	91.2	86.6	,,	0.1					
4 ,,	.681	.725	91.2	81.8	9.4	78.5	.68	90.4	86.6	WSW	0.1					
5 ,,	.679	.741	89.6	81.0	8.6	77.9	.69	88.8	86.5	W	0.0					
6 ,,	.681	.754	86.7	80.0	6.7	77.6	.75	87.0	86.4	W b S	0.0					
7 ,,	.693	.789	85.0	79.0	6.0	76.8	.77	85.8	86.3	,,	0.1					
8 ,,	.703	.792	84.4	79.0	5.4	77.0	.79	86.0	86.1	WSW	0.0					
9 ,,	.707	.832	83.8	78.0	5.8	75.8	.78	84.3	85.7	SW b W	0.1					
10 ,,	.710	.824	83.6	78.2	5.4	76.1	.79	84.2	85.6	,,	0.1					
11 ,,	.701	.802	83.2	78.4	4.8	76.6	.81	84.1	85.5	,,	0.1					
June 24th-Midnight	.689	.797	83.0	78.2	4.8	76.4	.81	84.0	85.4	SW b W	0.1		Pos.	1.0		Above 10m.
1 a. m.	.672	.786	82.8	78.0	4.8	76.1	.81	83.6	85.4	,,	0.1		Pos.	1.0		Above 10m.
2 ,,	.656	.805	82.4	77.0	5.4	74.9	.79	82.8	85.2	SSW	0.1					
3 ,,	.647	.752	82.0	78.0	4.0	76.5	.84	83.0	85.1	SW	0.1					
4 ,,	.652	.759	82.2	78.0	4.2	76.4	.83	83.0	85.0	,,	0.1					
5 ,,	.654	.859	82.0	78.0	4.0	76.5	.84	82.2	85.0	,,	0.1					
6 ,,	.676	.781	82.0	78.0	4.0	76.5	.84	83.2	84.9	SW b W	0.1	None.			None.	
7 ,,	.692	.777	84.0	79.0	5.0	77.2	.81	84.4	85.1	,,	0.1					
8 ,,	.702	.775	86.7	80.0	6.7	77.6	.75	87.2	85.4	SW	0.1					
9 ,,	.700	.773	87.9	80.3	7.6	77.6	.72	87.9	85.4	,,	0.1					
10 ,,	.692	.736	88.8	81.2	7.6	78.5	.73	88.2	85.5	,,	0.1					
11 ,,	.686	.731	89.7	81.4	8.3	78.5	.71	89.2	85.7	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
6	N	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.03 in. On the 21st fresh breezes in the morning, Maximum Pressure 1.2 lb.
5	L	" " " "	
6	L	" " " "	
4	L	" " " "	
7	L	" " " "	
6	D	" " " "	
4	D	≀≀ around hor., moving E; ≀ scattered about.	
5	D	≀≀ around hor.; ≀ and a few ≀≀ scattered about.	
6	D	" " " " "	
6	N	≀≀ scattered about hor., moving E; ≀ dispersed about.	
3	N	" " " " " " "	
5	N	≀ and ≀≀ scattered about, the latter moving E.	
6	N	" " " " "	
4	L	≀≀ and ≀ scattered about chiefly around hor.; a few ≀≀ in zth.	
5	L	≀≀ scattered about (chiefly around hor.), moving E; a few ≀≀ N of zth.; hazy.	
6	L	≀≀ scattered about, moving E; ≀≀ in N.	
6	L	≀≀ scattered about, moving E; ≀≀ in NW; ≀ about zth.	
6	N	≀≀ scattered about, moving E.	
5	N	" " " "	
5	N	Clouded with ≀≀ as before; ≀ above E and NE hor.	
5	N	Clouded with ≀≀, moving E; ≀ above E and NE hor.	
6	N	≀≀ scattered about, moving E; light rain at 9h. 45m. which lasted for 5m.	
6	N	Patches of ≀≀ NE and E of zth.; scud floating E; a passing shower of rain at	
5	N	≀≀ scattered about, moving E. [10h. 25m.	
8	N	Overcast in two strata with ≀≀ and ≀≀, the latter moving E and SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. On the 23rd, at 2 or 3 P. M., the Temperature of Air was 92°0, the highest in the month.
8	N	" " " " " " " " "	
3	L	≀≀ scattered about hor., moving E; a few patches of ≀≀ S of zth.	
6	L	≀≀ scattered about, moving E; a few patches of ≀≀ E and SE of zth.	
8	L	≀≀ around hor.; cymoid ≀ above SW and W hor.; ≀≀ scattered throughout.	
5	D	≀≀ scattered about, moving E.	
6	D	≀≀ around hor., moving E; ≀ scattered about.	
7	D	≀≀ scattered around hor., moving E; ≀ with haze scattered throughout.	
5	D	" " " " " " " " "	
4	N	" " " " " " " " "	
5	N	≀≀ in small masses, moving E; ≀ scattered about hor.	
5	N	" " " " " "	
5	N	" " " " " "	
6	L	≀≀ around hor.; ≀≀ about zth.; ≀ scattered about.	
4	L	≀≀ and ≀ about hor.; patches of ≀≀ in W.	
6	L	Clouded as before; haze throughout.	
4	L	≀≀ scattered about hor.; ≀ around hor. from SW to E.	
4	D	≀≀ scattered around hor., moving E.	
4	D	" " " "	
3	D	" " " "	
3	D	" " " "	
3	N	Small masses of ≀≀ scattered about, moving E.	
1	N	A few pieces of ≀≀ around hor.	
3	N	≀≀ scattered around hor., moving E.	
5	N	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge immeasurable. On the 24th the first Maximum of Barometer occurred earlier. At 6 P. M. the Barometer fell a little instead of rising.
3	L	≀≀ scattered about hor., moving E.	
6	L	≀≀ scattered throughout, moving E.	
6	L	≀≀ scattered throughout, moving ENE.	
5	L	" " " " "	
5	D	≀≀ around hor.; ≀ scattered about.	
6	D	" " " " "	
6	D	" " " " "	
5	D	" " " " "	
5	N	≀ and ≀≀ scattered about, the latter moving ENE.	
4	N	≀ and ≀≀ scattered about, the latter moving E.	
8	N	Densely clouded ≀≀ and ≀, the former moving NE; light rain at 11h. 10m.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	
June 24th–Noon.	29.678	28.694	88·6	81·8	6·8	79·4	0.75	88·2	85·7	SW	0.1	0.05				
1 p. m.	.660	.724	89.8	81.0	8.8	77.9	.69	89.0	86.0	W b S	0.2					
2 „	.659	.712	90.4	81.4	9.0	78.2	.68	89.9	86.2	„	0.3					
3 „	.644	.728	90.4	80.7	9.7	77.2	.66	89.7	86.3	„	0.2					
4 „	.637	.704	90.1	81.0	9.1	77.8	.68	89.4	86.4	WSW	0.2					
5 „	.641	.687	88.2	81.0	7.2	78.5	.74	88.2	86.3	W b S	0.1		None.	None.	None.	None.
6 „	.639	.735	85.0	79.0	6.0	76.8	.77	86.0	86.4	WSW	0.1					
7 „	.649	.767	83.2	78.0	5.2	76.0	.80	84.2	85.9	„	0.1					
8 „	.666	.782	83.0	78.0	5.0	76.1	.80	84.0	85.7	„	0.1	0·01				
9 „	.670	.752	83.0	78.8	4.2	77.3	.83	84.0	85.5	SW b W	0.1					
10 „	.673	.757	82.4	78.6	3.8	77.2	.85	83.2	85.3	„	0.1					
11 „	.670	.737	82.4	79.0	3.4	77.8	.86	83.0	85.2	„	0.1					
June 25th–Midnight	.658	.757	82.2	78.2	4.0	76.7	.84	83.0	85.0	W b S	0.1					
1 a. m.	.649	.756	82.2	78.0	4.2	76.4	.83	83.2	85.1	„	0.1					
2 „	.650	.757	82.2	78.0	4.2	76.4	.83	83.2	85.1	„	0.2					
3 „	.642	.749	82.2	78.0	4.2	76.4	.83	83·1	85.0	WSW	0.4					
4 „	.644	.745	81.6	78.0	3.6	76.6	.86	82.6	84.7	„	0.2					
5 „	.651	.754	81.8	78.0	3.8	76.5	.85	82·4	84.6	„	0.1					
6 „	.667	.768	81.6	78.0	3.6	76.6	.85	83.0	84.5	SW b W	0.1					
7 „	.670	.775	82.0	78.0	4.0	76.5	.84	82.2	84.6	SW b S	0.1	0.10				
8 „	.682	.769	84.2	79.0	5.2	77.1	.80	85.8	84.9	WSW	0.1					
9 „	.681	.683	86.6	81.6	5.0	79.9	.81	86.8	85·0	„	0.1					
10 „	.681	.705	87.0	81.2	5.8	79.2	.78	87.4	85.2	W	0.1					
11 „	.678	.709	88.4	81.4	7.0	79.0	.74	88.3	85.4	„	0.1		None.	None.	None.	None.
Noon.	.670	.707	89.8	81.6	8.2	78.8	.71	89.4	85.7	„	0.1					
1 p. m.	.663	.771	88.0	79.5	8.5	76.4	.69	88.2	85.7	WNW	½ to 3					
2 „	.654	.707	90.0	81.3	8.7	78.2	.69	89.4	86.0	W b S	0.8					
3 „	.642	.697	89.0	81.0	8.0	78.2	.71	88.8	86.0	WSW	0.2					
4 „	.632	.678	89.0	81.2	7.8	78.5	.72	88.6	86.0	SW	0.1					
5 „	.627	.737	87.0	79.2	7.8	76.3	.71	86.3	85.9	WSW	0.2					
6 „	.638	.718	82.6	79.0	3.6	77.3	.86	84.0	85.6	„	½ to 2⅔	0.12				
7 „	.648	.722	83.0	79.0	4.0	77.5	.84	84.2	85.4	„	0.0					
8 „	.662	.776	82.8	78.0	4.8	76.1	.81	83.7	85.3	„	0.1					
9 „	.680	.747	82.4	79.0	3.4	77.8	.86	83.4	85.2	„	0.1					
10 „	.686	.764	82.6	78.8	3.8	77.4	.85	83.6	85.0	„	0.1					
11 „	.676	.743	82.4	79.0	3.4	77.8	.86	83.3	85.0	„	0.3					
June 26th–Midnight	.668	.773	82.0	78.0	4.0	76.5	.84	83.0	85.0	SW b W	0.2					
1 a. m.	.635	.719	82.4	78.6	3.8	77.2	.85	83.2	85.0	„	0.6					
2 „	.633	.767	82.1	77.3	4.8	75.4	.81	82.0	84.9	„	0.7					
3 „	.626	.747	81.7	77.5	4.2	75.9	.83	82.6	84·7	„	0.5					
4 „	.629	.734	81.6	77.9	3.7	76.5	.85	82.4	84.6	„	0.3					
5 „	.633	.731	81.4	78.0	3.4	76.7	.86	82.2	84.5	„	0.1					
6 „	.643	.788	82.0	77.0	5.0	75.0	.80	83.0	84.6	WSW	0.1					
7 „	.660	.710	80.8	89.0	1.8	78.3	.90	82.0	84.5	„	½ to 1	0.10				
8 „	.676	.787	82.5	78.0	4.5	76.3	.82	84.8	84.5	„	0.1					
9 „	.682	.800	83.2	78.0	5.2	76.0	.80	85.0	84.7	W b S	½ to 3	.03				
10 „	.686	.710	84.6	80.6	4.0	79.2	.84	85.6	84.7	„	0.1	.01				
11 „	.677	.690	87.6	81.6	6.0	79.6	.78	88.0	85.0	WSW	0.2		None.	None.	None.	None.
Noon.	.665	.689	86.2	81.0	5.2	79.2	.80	86.4	85.1	„	0.1					
1 p. m.	.649	.678	88.7	81.5	7.2	79.0	.74	88.4	85.4	„	0.8					
2 „	.618	.660	85.1	80.3	4.8	78.6	.81	85.9	85.0	SW	0.2					
3 „	.607	.664	87.6	80.6	7.0	78.1	.74	87.7	85.4	WSW	0.5					
4 „	.585	.634	86.1	80.4	5.7	78.4	.78	86.2	85.4	W b S	0.6					
5 „	.583	.665	83.7	79.0	4.7	77.3	.82	84.0	85.2	WSW	0·1					
6 „	.598	.665	82.4	79.0	3.4	77.8	.86	83.2	85.0	W	0.1					
7 „	.603	.739	81.2	77.0	4.2	75.4	.83	82.2	84.9	WSW	0.1					
8 „	.623	.748	80.2	77.0	3.2	75.8	.87	81.2	84.7	SW	0.1	0·02				
9 „	.623	.715	80.8	78.0	2.8	76.9	.89	82.1	84.5	SW b S	0.2					
10 „	.635	.727	80.8	78.0	2.8	76.9	.89	82.0	84.5	„	0.2					
11 „	.626	.695	80.2	78.4	1.8	77.7	.92	81.4	84.3	SSW	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ≤— cirro-strati; ⌒— cumulo-strati; and ≤≤ nimbi.	
5	N	≤≤ and ≤ scattered about, moving E.	
6	L	≤≤ around hor.; otherwise clouded with ≤.	
6	L	" " " " "	
6	L	" " " " "	
6	L	≤≤ and ≤ scattered about, the former moving E; a few ≤≤ above NW hor.	
5	D	≤≤ around hor.; ≤ scattered about; light rain at 5h. 36m. which lasted 4m.	
5	D	≤≤ around hor.; ≤ scattered about; light rain at 6h. 54m.	
4	D	≤≤ around hor.; ≤ scattered aboutlight rain at 7h. 38m. which lasted 4m.	
5	D	≤≤ scattered about, moving E.	
6	N	" " " "	
4	N	" " " "	
3	N	" " " "	
4	N	≤≤ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.22 in. On the 25th, at 2 A. M., the Barometer rose a little instead of falling. The first Maximum of Barometer took place a little earlier than usual. Fresh breezes blowing in the afternoon, Maximum Pressure 3.0 lb. The Ranges of Barometer are small from the 20th instant, and is on this day the smallest in the month.
3	L	≤≤ around hor. and E of zth., moving E; ≤≤ above E hor.; ≤ in SE.	
4	L	≤≤ scattered about, moving ENE. [16m.	
3	L	≤≤ around hor. and in S hem.; a few ≤ in E; a passing shower of rain at 3h.	
2	L	≤≤ scattered about hor., moving NE; ≤ in N and NE.	
3	D	≤≤ scattered around hor., moving NE. [overcast, and a little rain.	
5	D	≤≤ around hor.; ≤≤ above NE, E, and SE hor.; ≤ scattered about; at 6h. 53m.	
8	D	Overcast with ≤≤, moving NE; light drops of rain falling.	
8	D	Overcast with ≤≤, moving NE.	
6	N	≤≤ and ≤ scattered throughout, the former moving ENE and the latter WSW.	
6	N	Clouded as before.	
5	N	≤≤ scattered about, moving E.	
5	N	" " " "	
6	L	" " " "; ≤≤ about zth. and ≤ about hor.	
5	L	≤≤ and ≤ scattered about hor.; a few ≤≤ in E.	
5	L	≤≤ around hor.; ≤≤ and ≤ scattered about.	
6	L	≤≤ and ≤ around hor.; ≤≤ in NE; hazy. [E, 4° apart from each other.	
7	N	Densely clouded with ≤≤, moving E; light rain at 5h. 14m.; two rainbows in	
6	D	≤≤, ≤≤, and ≤ scattered about, ≤≤ moving NE.	
4	D	≤≤ around hor.; ≤ scattered about.	
3	D	Masses of ≤≤ around hor.; otherwise clear.	
2	N	Small masses of ≤≤ scattered about, moving E.	
4	N	≤≤ scattered about, moving E; light rain at 10h. 30m.	
5	N	≤≤ scattered about, moving E; light rain at 11h. 10m.	
5	N	≤≤ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.13 in. On the 26th occasional squalls in the morning, Maximum Pressure 3.0 lb.
4	L	≤≤ around hor. moving E.	
4	L	≤≤ around hor.; at 2h. 49m. it became densely clouded and rained a little.	
5	L	≤≤ scattered about, moving NNE.	
3	L	Masses of ≤≤ around hor. and a few about zth.	
5	D	≤≤ scattered around hor.; ≤ with haze dispersed about. [6h. 49m.	
4	D	≤≤ scattered about, moving E; rain at 6h. 30m. which lasted till 9m., and again at	
8	D	Overcast with ≤≤; light rain at 7h. 28m. which lasted 4m.	
6	D	≤≤ about hor.; ≤ and ≤≤ scattered throughout.	
8	N	Densely clouded with ≤≤, moving E; light rain at full hour.	
8	N	Clouded as before but no rain.	
8	N	" " " "	
8	N	" " " "	
8	L	Densely clouded; a passing shower of rain at 1h. 6m.	
8	L	≤≤ scattered throughout, moving E.	
8	L	≤≤ around hor.; otherwise clouded with ≤≤.	
8	L	≤≤ in S and SW; ≤≤ scattered throughout.	
8	D	Overcast with ≤≤; break in SE.	
8	D	≤≤ around hor., moving NE; ≤ and ≤≤ scatttered throughout.	
8	D	Overcast with ≤≤; light rain at 7h. 35m. which lasted 4m.	
8	D	Overcast with ≤≤ whose motion was not apparent.	
7	N	Clouded with ≤≤, moving E.	
6	N	" " "	
7	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 27th-Midnight	29.606	28.655	80°7	79°0	1°7	78°4	0.93	81°8	84°2	SSW	0.4					
1 a. m.	.576	.659	80.0	78.0	2.0	77.2	.92	81.0	84.1	S	½ to 2½	0.06				
2 „	.574	.677	78.2	77.0	1.2	76.5	.95	79.2	83.9	W	0.2	0.76	Neg.	Out of Sc.	Out of Sc.	Instantly.
3 „	.568	.655	79.2	77.7	1.5	77.1	.94	80.6	83.9	„	0.0	0.02	Neg.	Out of Sc.	Out of Sc.	Instantly.
4 „	.558	.634	78.6	77.8	0.8	77.5	.97	80.2	83.7	WSW	0.0	0.17				
5 „	.564	.647	80.0	78.0	2.0	77.2	.92	81.2	83.8	„	0.0					
6 „	.585	.664	79.6	78.0	1.6	77.4	.93	80.8	83.6	S b W	0.0					
7 „	.610	.691	79.8	78.0	1.8	77.3	.93	81.2	83.5	„	0.1					
8 „	.628	.664	79.5	79.0	0.5	78.8	.98	81.0	83.5	SSE	0.2	0.31				
9 „	.663	.721	79.2	78.4	0.8	78.1	.97	80.0	83.4	WSW	0.1	0.18	Neg.	Out of Sc.	Out of Sc.	Instantly.
10 „	.652	.716	79.0	78.2	0.8	77.9	.97	80.4	83.2	S b W	0.1	0.59				
11 „	.651	.693	80.8	79.2	1.6	78.6	.93	82.0	83.4	SW	0.1	0.02				
Noon.	.644	.669	81.8	79.8	2.0	79.2	.92	83.0	83.5	„	0.1					
1 p. m.	.617	.647	82.8	80.0	2.8	79.0	.89	83.6	83.8	SW b W	0.0					
2 „	.592	.626	83.9	80.2	3.7	78.9	.85	84.2	84.0	W b S	0.0					
3 „	.595	.603	84.6	80.5	4.1	79.1	.84	84.8	84.1	„	0.1					
4 „	.562	.625	85.8	80.0	5.8	77.9	.78	85.6	84.3	SW	0.1					
5 „	.568	.653	84.0	79.0	5.0	77.2	.81	84.2	84.2	„	0.1					
6 „	.577	.653	83.2	79.0	4.2	77.5	.83	83.6	84.1	„	0.1					
7 „	.597	.704	82.2	78.0	4.2	76.4	.83	83.2	84.0	„	0.1					
8 „	.607	.712	82.3	78.0	4.0	76.5	.84	82.2	84.0	„	0.1					
9 „	.621	.682	81.8	79.0	2.8	78.0	.87	82.4	84.0	„	0.1					
10 „	.629	.698	81.8	78.8	3.0	77.7	.88	82.4	84.0	SW b S	0.1					
11 „	.623	.682	81.6	79.0	2.6	78.0	.89	82.4	84.0	„	0.0					
June 28th-Midnight	.606	.665	81.6	79.0	2.6	78.0	.89	82.3	84.0	S b W	0.0					
1 a. m.	.591	.685	81.0	78.0	3.0	76.8	.88	82.2	84.0	SW b S	0.0					
2 „	.584	.686	80.2	77.6	2.6	76.6	.89	81.6	83.7	S b W	0.1					
3 „	.578	.662	80.8	78.2	2.6	77.2	.89	81.8	83.7	S	0.2					
4 „	.590	.671	80.6	78.2	2.4	77.3	.90	81.7	83.7	S b E	0.1		Neg.	0.6		Above 10m.
5 „	.598	.714	79.4	77.0	2.4	76.1	.90	80.4	83.6	S	0.1					
6 „	.613	.691	79.5	78.0	1.5	77.4	.94	81.2	83.4	„	0.1					
7 „	.642	.753	82.5	78.0	4.5	76.3	.82	83.0	83.3	„	0.1					
8 „	.641	.733	84.6	79.0	5.6	76.9	.78	85.2	83.9	„	0.1					
9 „	.643	.625	86.4	82.0	4.4	80.5	.83	86.4	84.0	„	0.1					
10 „	.646	.642	86.8	81.8	5.0	80.1	.81	87.2	84.5	„	0.1					
11 „	.645	.653	84.0	80.8	3.2	79.7	.87	85.0	84.5	SSW	0.0	0.01				
Noon.	.626	.602	85.8	82.0	3.8	80.7	.85	87.0	84.5	„	0.1	0.01			None.	
1 p. m.	.609	.533	82.3	82.3	0.0	82.3	1.00	87.4	84.8	SW	0.2					
2 „	.580	.640	88.2	81.9	6.3	78.0	0.77	87.9	85.0	„	0.2					
3 „	.556	.566	88.5	81.9	6.6	79.6	.76	88.2	85.1	W	0.2					
4 „	.541	.565	89.0	81.7	7.3	79.2	.74	88.2	85.3	„	0.1					
5 „	.543	.637	88.0	81.0	7.0	78.5	.74	88.0	85.4	„	0.1					
6 „	.564	.660	85.0	79.0	6.0	76.8	.77	86.0	85.2	„	0.1					
7 „	.576	.661	84.0	79.0	5.0	77.2	.81	84.2	85.1	W b S	0.1					
8 „	.602	.640	83.5	80.0	3.5	78.7	.86	84.0	85.0	„	0.0					
9 „	.614	.670	83.2	79.0	4.2	77.5	.83	84.0	84.9	„	0.0					
10 „	.626	.700	83.0	79.0	4.0	77.5	.84	84.0	84.8	„	0.0					
11 „	.621	.693	82.8	79.0	3.8	77.6	.85	84.0	84.8	„	0.0					
June 30th-Midnight	.614	.673	82.4	79.2	3.2	78.0	0.87	82.6	84.5	W b S	0.0					
1 a. m.	.579	.649	82.0	79.0	3.0	77.9	.88	82.2	84.5	Calm.	0.0					
2 „	.566	.627	81.8	79.0	2.8	78.0	.89	82.2	84.4	„	0.0					
3 „	.563	.588	82.0	79.9	2.1	79.2	.91	82.4	84.4	„	0.0					
4 „	.568	.605	82.0	79.6	2.4	78.8	.90	82.2	84.3	S	0.2					
5 „	.569	.628	81.6	79.0	2.6	78.0	.89	82.0	84.2	„	0.1					
6 „	.580	.620	81.4	79.4	2.0	78.7	.92	82.2	84.1	SSW	0.1		None.	None.	None.	None.
7 „	.617	.644	82.5	80.0	2.5	79.1	.90	83.6	84.2	„	0.1					
8 „	.629	.627	83.8	81.0	2.8	80.0	.89	84.2	84.5	S	0.1					
9 „	.639	.683	82.3	80.0	2.3	79.2	.91	84.3	84.4	SW	0.1					
10 „	.645	.695	80.8	79.0	1.8	78.3	.93	82.0	84.0	S	0.1	0.02				
11 „	.634	.651	82.4	80.2	2.2	79.4	.91	83.8	84.1	S b E	0.1	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≋ nimbi.	
		[ceased at 55m.	
7	N	Densely clouded with heavy ≋, moving ENE; rain and wind at 45m. which	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 1.89 in. Maximum Tension of Electricity by Henly's Apparatus 16.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.16 in. On the 27th occasional squalls blowing about midnight, Maximum Pressure 2.5 lb.
7	L	≋ scattered about; a break in SE; heavy rain at 1h. 18m. [2h. 35m.	
8	L	Overcast with ≋; rain ceased at 2h. 15m.; distant thunder and lightning in zth. at	
8	L	Overcast; rain commenced at 3h. 9m. which ceased at 3h. 30m.; lightning	
8	L	Overcast with ≋, moving E. [and thunder W of zth.	
8	D	" " "	
8	D	" " "	
8	D	Overcast; light rain at 7h. 30m.	
8	D	Overcast; raining lightly.	
8	N	" " "	
8	N	" " "	
8	N	Overcast; drizzling rain.	
8	N	Overcast in two strata with ≋, moving ENE.	
8	L	" " " " "	
8	L	≋ in E, SE, and S; otherwise clouded with ≋.	
6	L	≋ and ≀ scattered about, the former moving E; a few patches of ≋ about zth.	
7	L	≋ around hor.; ≋ above NW and W hor.; ≀ scattered about.	
6	D	≋ around hor.; ≀ and ≋ scattered throughout; scud moving NE.	
8	D	Overcast with ≋, moving NE.	
8	D	" " "	
8	D	" " "	
8	N	" " "	
8	N	" " " ; a few stars dimly visible.	
6	N	≋ scattered about, moving E.	
5	N	≋ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.02 in. On the 28th, at 1 P. M., the Temperature of Dew-Point was 82.3, the highest in the month; at the next hour this Temperature fell 4°3.
8	L	Overcast with ≋; a few stars visible about W and NW hor.	
8	L	Overcast with ≋; a few stars dimly visible in SW and W.	
6	L	≋ scattered around hor. and ≀ throughout.	
7	L	≋ and ≀ scattered about; lightning and thunder in W.	
6	D	≋ scattered about, moving NE; light rain at 5h. 40m. which lasted 10m.	
7	D	≋ around hor., moving NE; ≀ scattered throughout.	
7	D	" " " " " "	
8	D	Overcast with ≋ and ≀, the former moving NE.	
6	N	≋ scattered about, moving E; ≀ in N and NW.	
8	N	Overcast with ≋, moving E; light drizzling rain.	
8	N	Overcast; rain ceased at 11h. 45m.	
8	N	" " " "	
8	L	∩ in E; ≋ around hor.; ≋ and ≀ scattered throughout.	
6	L	∩ from N to E hor.; ≋ around hor.; ≀ scattered about.	
4	L	" " " " " " "	
4	L	∩ in NE and E hor.; ≋ and ≀ scattered about.	
8	D	≋ around hor.; ≋ and ≀ scattered about.	
8	D	[of 3m.	
8	D	" " " " " "	
8	D	≋ around hor., otherwise clouded with ≀; lightning in ESE hor. at intervals	
8	D	≋ around hor., otherwise clouded with ≀; lightning in ESE hor. at intervals	
8	D	Overcast with ≋ and ≀; lightning in SSE. [of 46s.	
8	D	" " " " "	
6	D	≋ in NE, E, and SE hor.; ≀ scattered throughout.	
6	N	≋ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 1.90 in. Maximum Tension of Electricity by Henly's Apparatus 9.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.10 in. On the 30th wind veered round from SSE to WSW by a direct circular motion of 450° in 7 hours.
5	L	" " " "	
3	L	≋ scattered about hor.	
6	L	≋ scattered about, moving E.	
7	L	Densely clouded with ≋, moving E; a few stars dimly visible in SE.	
8	D	Overcast with ≋.	
8	D	Overcast.	
8	D	"	
8	D	Overcast; light rain at 8h. 6m. which ceased at 8h. 19m.	
8	N	Overcast; drizzling rain.	
8	N	" " "	
8	N	Overcast; rain ceased at 11h. 26m.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
June 30th–Noon.	29.623	28.625	83°4	80°8	2°6	79°9	0.90	84°0	84°4	S b E	0.1					
1 p. m.	.616	.617	84.2	81.0	3.2	79.9	.87	87.0	84.3	SSE	0.1					
2 „	.585	.593	86.8	81.5	5.3	79.7	.80	87.4	84.5	„	0.0					
3 „	.575	.579	88.4	82.0	6.4	79.8	.76	88.2	85.0	W	0.0					
4 „	.575	.557	86.4	82.0	4.4	80.5	.83	86.0	85.1	WNW	0.0					
5 „	.565	.615	84.6	80.0	4.6	78.3	.82	84.2	85.0	W b N	0.1					
6 „	.561	.589	83.4	80.2	3.2	79.1	.87	83.4	84.7	NW	0.2	0.03	Neg.	Out of Sc.	Out of Sc.	Instantly.
7 „	.599	.651	81.0	79.0	2.0	78.3	.92	80.4	84.5	N	0.2	0.69	Neg.	Out of Sc.	Out of Sc.	Instantly.
8 „	.610	.651	80.0	79.0	1.0	78.6	.96	80.6	84.4	NE	0.0	0.95	Neg.	Out of Sc.	Out of Sc.	Instantly.
9 „	.629	.672	79.4	78.8	0.6	78.6	.97	80.4	84.0	SW b W	0.0	0.14				
10 „	.643	.694	79.4	78.6	0.8	78.3	.97	80.2	83.9	S b E	0.0	0.11				
11 „	.633	.736	78.2	77.0	2.2	76.5	.95	79.8	83.7	SW b W	0.0	0.10				
July 1st–Midnight	.626	.723	78.4	77.2	1.2	76.7	.95	79.2	83.5	WSW	0.0					
1 a. m.	.600	.672	79.0	78.0	1.0	77.6	.96	79.4	83.5	NNE	0.0					
2 „	.574	.679	78.4	77.0	1.4	76.5	.94	79.0	83.4	NE b N	0.0					
3 „	.549	.652	78.2	77.0	1.2	76.5	.95	78.6	83.3	„	0.0					
4 „	.551	.691	78.0	76.0	2.0	75.2	.92	78.2	83.1	„	0.0					
5 „	.560	.661	78.0	77.0	1.0	76.6	.96	78.8	83.0	„	0.0					
6 „	.578	.664	78.8	77.6	1.2	77.1	.95	79.4	83.0	E	0.1					
7 „	.597	.659	79.6	78.4	1.2	77.9	.95	80.0	83.0	SE	0.2					
8 „	.614	.648	80.5	79.3	1.2	78.9	.95	81.0	83.0	SSE	0.2					
9 „	.615	.630	82.2	80.2	2.0	79.5	.92	82.2	83.2	„	0.1					
10 „	.620	.664	81.8	79.4	2.4	78.5	.90	82.1	83.4	S	0.1	0.02				
11 „	.618	.679	79.0	78.0	1.0	78.0	.96	80.1	83.1	N	0.1	0.18	None.	None.	None.	None.
Noon.	.608	.693	79.4	77.8	1.6	77.2	.93	80.6	83.0	W	0.1	0.02				
1 p. m.	.584	.739	79.4	76.0	3.4	74.7	.86	80.2	83.0	SSW	0.1	0.01				
2 „	.574	.652	79.5	78.0	1.5	77.4	.94	80.0	83.1	SW	0.1	0.01				
3 „	.565	.643	79.5	78.0	1.5	77.4	.94	80.2	83.1	„	0.1	0.03				
4 „	.553	.654	78.0	77.0	1.0	76.6	.96	79.0	82.9	WNW	¼ to 2	0.03				
5 „	.563	.684	77.3	76.3	1.0	75.9	.96	78.0	82.5	„	0.2	0.07				
6 „	.553	.649	77.5	77.0	0.5	76.8	.98	78.2	82.5	NW b W	¾ to 3¼	0.07				
7 „	.563	.729	76.8	75.0	1.8	74.3	.92	76.8	82.2	WNW	1 to 3¾	0.06				
8 „	.573	.702	77.0	76.0	1.0	75.6	.96	77.7	82.2	NNW	0.2	0.08				
9 „	.585	.705	77.6	76.4	1.2	75.9	.95	78.2	82.1	„	0.0					
10 „	.591	.703	77.6	76.6	1.0	76.2	.96	78.3	82.1	„	0.0					
11 „	.584	.677	78.8	77.4	1.4	76.9	.94	79.2	82.2	WSW	0.2					
July 2nd–Midnight	.564	.673	78.0	76.8	1.2	76.3	.95	78.3	82.1	SSE	0.2	0.10				
1 a. m.	.535	.670	77.5	76.0	1.5	75.4	.94	78.0	82.0	„	0.4	0.10				
2 „	.520	.645	76.6	76.0	0.6	75.8	.98	76.4	82.0	SE	⅛ to 3	0.35				
3 „	.524	.618	77.4	77.0	0.4	76.8	.98	76.5	82.0	S b W	½ to 2	0.05				
4 „	.536	.682	75.0	75.0	0.0	75.0	1.00	75.8	81.8	NW	0.1	1.00				
5 „	.538	.698	75.6	74.8	0.8	74.5	0.97	76.2	81.6	„	0.1	0.09				
6 „	.555	.667	76.2	76.2	0.0	76.2	1.00	76.9	81.5	WNW	0.1	0.51				
7 „	.572	.697	76.6	76.0	0.6	75.8	0.98	76.8	81.5	N b E	0.4	0.45				
8 „	.585	.704	77.2	76.3	0.9	76.0	.96	78.0	81.5	NNE	0.3	0.06				
9 „	.609	.737	76.2	75.8	0.4	75.6	.98	78.0	81.2	NW b W	0.0	0.10				
10 „	.600	.733	77.4	76.0	1.4	75.5	.94	78.6	81.4	WSW	0.0	0.08				
11 „	.574	.679	78.4	77.0	1.4	76.5	.94	80.0	81.5	SSW	0.1					
Noon.	.576	.684	78.6	77.0	1.6	76.4	.93	79.2	81.5	„	0.1	0.01	None.	None.	None.	None.
1 p. m.	.574	.689	77.5	76.5	1.0	76.1	.96	77.4	81.4	SW	0.1	0.40				
2 „	.563	.696	77.4	76.0	1.4	75.5	.94	78.2	81.5	S b W	0.2	0.05				
3 „	.546	.658	79.0	77.0	2.0	76.2	.92	80.2	81.6	„	0.1	0.05				
4 „	.536	.673	77.8	76.0	1.8	76.3	.92	78.2	81.6	N b E	0.1	0.01				
5 „	.542	.671	77.0	76.0	1.0	75.6	.96	77.2	81.3	NE	0.1	0.06				
6 „	.556	.683	76.8	76.0	0.8	75.7	.97	77.2	81.3	ENE	0.1	0.09				
7 „	.570	.734	76.0	74.8	1.2	74.3	.95	76.8	81.1	„	0.1	0.17				
8 „	.570	.686	76.8	76.3	0.5	76.1	.98	77.8	81.1	„	0.1	0.03				
9 „	.582	.683	77.6	76.9	0.7	76.6	.97	78.2	81.1	SE	0.3					
10 „	.588	.689	77.6	76.9	0.7	76.6	.97	78.3	81.1	SSE	0.1					
11 „	.585	.684	77.8	77.0	0.8	76.7	.97	78.4	81.2	S b W	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ∩≀ nimbi.	
8	N	Overcast.	Between 6 and 9 P. M. heavy rain falling. Evening Minimum of Barometer occurred about two hours later than usual.
8	D	"	
8	D	Overcast with ≀≀ and dense ∩≀; thunder in ESE heard at 2h. 25m. [in SE.	
8	D	Overcast in two strata, the lower stratum of ∩≀ moving NE; continued thunder	
8	D	Clouded with ∩≀ as before.	
8	L	Overcast in two strata with ∩≀, moving E; light rain at 5h. 38m. for 5m.	
8	L	Overcast; raining.	
8	L	" " ; lightning and thunder about zth. after 7h. 15m.	
8	L	Overcast; raining.	
8	N	" "	
8	N	Overcast; rain ceased at 10h. 30m.	
8	N	Overcast with dense ∩≀, moving E.	
8	N	Overcast in two strata with ∩≀, moving E; light rain at 55m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 0.78 in.
8	D	Clouded as before, but no rain.	
8	D	Overcast; a few drops of rain at 2h. 17m.	
8	D	Overcast.	
8	D	"	
8	L	Overcast with ∩≀; a few ≀≀ in NE and E.	
8	L	Overcast in two strata with ∩≀, moving W.	
8	L	" " " " "	
8	L	Overcast with ∩≀, moving N.	
8	N	Clouded as before; rain commenced at 9h. 40m.	
8	N	Overcast; raining lightly.	
8	N	Overcast; rain ceased at 11h. 35m.	
8	N	Overcast; drizzling rain.	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	Overcast; raining lightly.	
8	L	" " "	
8	L	" " "	
8	L	Overcast; rain ceased at 7h. 40m.; gusts of wind blowing.	
8	L	Overcast with ∩≀.	
8	N	" "	
8	N	Overcast; a few stars dimly visible.	
8	N	Overcast; rain at 11h. 18m.	
8	N	Overcast; drizzling rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85.0 and 86.0. Daily fall of rain by Osler's Gauge 3.63 in.
8	D	Overcast; raining.	
8	D	Overcast; squally wind at 2h. 18m. whose force was 3 lbs.	
8	D	Overcast; raining.	
8	D	" "	
8	L	" "	
8	L	" "	
8	L	" "	
8	L	Overcast; rain ceased at full hour, which re-commenced at 8h. 25m.	
8	N	Overcast; raining.	
8	N	" "	
8	N	" "	
8	N	" "	
8	S	" "	
8	D	" "	
8	D	" "	
8	D	" "	
8	L	" "	
8	L	" "	
8	L	" "	
8	L	Overcast; rain ceased.	
8	N	Overcast in two strata, the lower stratum moving NE; light rain at 9h. 30m.	
8	N	Clouded as before, but no rain.	
8	N	Overcast; light rain at full hour.	

On the 1st the wind veered round from W by S to NE by a direct circular motion of 506° in 10 hours; strong gusts of wind in the afternoon, Maximum Pressure being 3.7 lbs. At 6 P. M. the Barometer fell a little instead of rising. Wind blew abnormally on this day.

On the 2nd, at 11 A. M., the Barometer was lower than at noon. Fresh breezes in the morning. At 4 and 6 A. M., the air was fully saturated with moisture. Direction of wind was quite abnormal. At 4 A. M., the Temperature of Free Air was 75°0, which was about 4°8 lower than the Normal Mean; it was the lowest during the month. The Range of Wet Bulb Thermometer was 2°2, the lowest during the month.

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in Seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 3rd–Midnight	29.563	28.653	78°0	77°0	1°0	77°0	0.96	78°2	81°2	SSW	0.1					
1 a. m.	.544	.647	78.2	77.0	1.2	76.5	.95	78.4	81.4	SW b S	½ to 1½	0.10				
2 „	.527	.637	78.8	77.0	1.8	76.3	.93	79.0	81.4	SW b W	¼ to 1½	0.01				
3 „	.514	.588	79.2	78.0	1.2	77.5	.95	80.2	81.4	SW b S	0.1	0.08				
4 „	.509	.592	80.0	78.0	2.0	77.2	.92	80.4	81.4	W b N	0.1	0.01				
5 „	.527	.630	78.2	77.0	1.2	76.5	.95	79.2	81.5	WNW	½ to ¾	0.05				
6 „	.540	.649	78.0	76.8	1.2	76.3	.95	78.4	81.4	NW	0 to 1¼	0.20				
7 „	.551	.630	79.6	78.0	1.6	77.4	.93	80.4	81.4	NNW	0.1					
8 „	.575	.715	77.6	75.9	1.7	75.2	.93	77.4	81.3	„	0.3	0.26				
9 „	.584	.717	76.6	75.8	0.8	75.5	.97	76.6	81.0	W	½ to ¾	0.64				
10 „	.586	.664	77.4	77.4	0.0	77.4	1.00	76.2	81.0	N b W	0.1	0.58	Neg.	0.14	None.	0.20
11 „	.579	.640	78.0	78.0	0.0	78.0	1.00	79.0	81.1	NNW	0.1	0.56				
Noon.	.563	.606	79.4	78.8	0.6	78.6	0.97	80.2	81.4	„	0.1	0.13				
1 p. m.	.550	.618	78.6	78.0	0.6	77.7	.98	79.0	81.4	SE b S	0.2	0.32				
2 „	.538	.574	79.5	79.0	0.5	78.8	.98	79.8	81.5	NNW	0.1	0.14				
3 „	.527	.596	78.7	78.0	0.7	77.7	.97	80.2	81.5	NW b N	0.1	0.06				
4 „	.510	.577	78.5	78.0	0.5	77.8	.98	80.2	81.5	WNW	0.1	0.09				
5 „	.514	.554	79.2	78.8	0.4	78.7	.98	80.2	81.4	„	0.0	0.13				
6 „	.523	.641	78.1	76.6	1.5	76.0	.94	79.2	81.4	W	0.3	0.05				
7 „	.533	.595	80.0	78.5	1.5	77.9	.94	80.7	81.6	WSW	0.2					
8 „	.554	.622	78.6	78.0	0.6	77.7	.98	79.7	81.5	NW	0.1	0.09				
9 „	.582	.636	80.4	78.8	1.6	78.2	.93	81.2	81.6	WSW	0.1					
10 „	.583	.654	80.4	78.4	2.0	77.6	.92	81.2	81.6	W b S	0.1					
11 „	.582	.638	80.6	78.8	1.8	78.1	.92	81.4	81.7	WSW	0.1					
July 4th–Midnight	.574	.661	80.4	78.0	2.4	77.1	.90	80.4	81.8	W	0.2					
1 a. m.	.553	.625	79.0	78.0	1.0	77.6	.96	80.0	81.6	NW b W	0.1	0.01				
2 „	.548	.622	79.2	78.0	1.2	77.5	.95	79.8	81.5	„	0.1					
3 „	.531	.607	79.4	78.0	1.4	77.5	.94	80.0	81.4	W b N	0.1	0.01				
4 „	.537	.620	80.0	78.0	2.0	77.2	.92	80.4	81.4	„	0.0					
5 „	.549	.642	79.4	77.6	1.8	76.9	.92	80.2	88.6	W b S	0.0					
6 „	.568	.670	79.6	77.4	2.2	76.6	.91	80.4	81.6	„	0.1					
7 „	.582	.635	81.1	79.0	2.1	78.2	.91	82.2	81.9	W	0.0					
8 „	.592	.600	82.4	80.4	2.0	79.7	.92	83.2	82.0	„	0.1					
9 „	.600	.619	83.4	80.4	3.0	79.4	.88	84.0	82.3	„	0.1					
10 „	.603	.614	85.0	81.0	4.0	79.6	.84	84.6	82.5	„	0.1					
11 „	.609	.627	85.6	81.0	4.6	79.4	.82	85.2	82.7	„	0.1					
Noon.	.596	.617	85.5	80.9	4.6	79.3	.82	85.8	83.0	WSW	0.1					
1 p. m.	.593	.632	83.6	80.0	3.6	78.7	.86	84.2	83.1	W b S	0.2					
2 „	.581	.655	83.0	79.0	4.0	77.5	.84	84.0	83.0	„	0.1					
3 „	.578	.643	82.2	79.0	3.2	77.8	.87	83.2	83.0	WSW	0.1					
4 „	.554	.623	82.5	79.0	3.5	77.7	.86	83.0	83.0	SW b W	0.1					
5 „	.553	.631	82.2	78.7	3.5	77.4	.86	82.8	82.9	WSW	0.2					
6 „	.572	.651	81.2	78.4	2.8	77.4	.89	82.0	82.7	„	0.1					
7 „	.586	.678	80.8	78.0	2.8	76.9	.89	81.7	82.7	„	0.1					
8 „	.607	.710	78.2	77.0	1.2	76.5	.95	79.6	82.4	„	0.2	0.27				
9 „	.635	.747	77.8	76.4	1.4	76.2	.94	79.4	82.0	„	0.1	0.06	Neg.	Out of Sc.	Out of Sc.	Instantly.
10 „	.636	.726	77.8	76.2	0.6	77.0	.97	79.2	82.0	„	0.1	0.07	Neg.	1.0		
11 „	.629	.701	78.6	77.9	0.7	77.6	.97	80.0	82.0	SSW	0.1					
July 5th–Midnight	.621	.691	78.8	78.0	0.8	77.7	.97	80.0	82.1	SSW	0.1					
1 a. m.	.598	.670	79.0	78.0	1.0	77.6	.96	79.8	82.0	„	0.1					
2 „	.584	.683	78.6	77.2	1.4	76.7	.94	80.0	82.0	S b W	0.1					
3 „	.580	.668	78.7	77.5	1.2	77.1	.95	79.6	81.9	S	0.1					
4 „	.576	.681	78.4	77.0	1.4	76.5	.94	79.7	81.8	SSE	0.1					
5 „	.587	.666	78.5	77.7	0.8	77.4	.97	79.4	81.9	SSW	0.2		Neg.	Out of Sc.	Out of Sc.	Instantly.
6 „	.602	.663	78.4	78.1	0.3	78.0	.99	79.5	81.8	S	0.1	0.05				
7 „	.600	.652	79.5	78.6	0.9	78.3	.96	80.4	81.8	S b E	0.3	0.01				
8 „	.585	.622	80.4	79.2	1.2	78.8	.95	81.4	82.0	„	0.2					
9 „	.594	.642	80.6	79.0	1.6	78.4	.93	81.6	82.0	S b W	0.1					
10 „	.596	.565	81.2	81.0	0.2	80.9	.99	82.3	82.0	S	0.3	0.10				
11 „	.606	.625	82.6	80.2	2.4	79.4	.90	82.6	82.5	S b W	0.2	0.06				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ∪≤ cirro-strati; ∩≤ cumulo-strati; and ≤≤ nimbi.	
8	N	Overcast; drizzling rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 3.45 in. On the 3rd Maximum Tension of Electricity was 14.0 by Volta No. 1. Wind blew abnormally on this day. At 4 A. M. the height of Barometer was 29.509, the lowest during the month, being about 0.089 lower than the Normal Mean.
8	D	Overcast; rain ceased at full hour and re-commenced at 1h. 52m.	
8	D	Overcast; raining.	
8	D	" "	
8	D	" "	
8	L	Overcast; rain ceased at full hour; rain at 5h. 40m. which lasted 10m.	
8	L	Overcast with ≤≤, moving E.	
8	L	Overcast; rain commenced at 7h. 42m.	
8	L	Overcast; raining.	
8	N	" "	
8	N	" "	
8	N	" "	
8	N	" "	
8	D	" "	
8	D	" "	
8	D	" "	
8	D	" "	
8	L	" "	
8	L	Overcast with ≤≤, moving E.	
8	L	Overcast; rain commenced at 7h. 20m. and ceased at 7h. 40m.	
8	L	Overcast; a passing shower of rain at 8h. 10m.	
8	N	Overcast in two strata, the lower stratum of ≤≤, moving E.	
8	N	" " " " " "	
8	N	" " " " " "	
8	N	Overcast in two strata with ≤≤, moving E; rain at 8m. which lasted 3m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°68 and 86°0. Daily fall of rain by Osler's Gauge 0.44 in. Maximum Tension of Electricity by Henly's Apparatus 9.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure was 0.10 in. On the 4th Morning Maximum of Barometer a little later. The Pressure of Wind was greater than 1.0 lb.
8	D	Overcast with ≤≤; a few stars dimly visible in SE.	
8	D	Overcast with ≤≤; rain at 2h. 32m. which lasted 3m.	
8	D	Overcast; a few stars dimly visible about zth.	
8	D	Overcast with ≤≤ and ≤, the former moving E.	
8	L	Overcast with ≤≤; a few streeks of ≤ in NE and E.	
8	L	Densely clouded with ≤≤, ≤, and ≤≤.	
7	L	Densely clouded with ≤≤ and ≤, the former moving E.	
7	L	" " " " " "	
7	N	≤≤ and ≤≤ scattered throughout, the latter moving NE.	
6	N	≤≤ scattered throughout, moving E.	
8	N	" " " "	
8	N	Overcast in two strata with ≤≤, moving E.	
8	D	Overcast in two strata with ≤≤, moving NE.	
8	D	Overcast as before; light rain at 2h. 8m.	
8	D	Overcast in two strata with ≤≤, moving NE.	
8	D	" " " " "	
8	L	" " " " "	
8	L	≤≤, ≤, and ≤≤ scattered throughout. [at 7h. 20m.	
8	L	≤≤ and ≤ scattered throughout, the former moving E; a few ≤≤ in W; rain	
8	L	Overcast with ≤≤; raining.	
8	N	" " "	
8	N	" " "	
8	N	Overcast; a few stars about zth. dimly visible.	
8	N	Overcast in two strata with ≤≤, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°5 and 86°0. Daily fall of rain by Osler's Gauge 0.20 in. Maximum Tension of Electricity by Henly's Apparatus 5.0 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.07 in. On the 5th the Pressure of Wind was greater than 1.0 lb.
8	D	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	D	Overcast; light rain at 4h. 19m. which lasted 5m.	
8	L	Overcast; rain commenced at 5h. 21m.	
8	L	Overcast; rain ceased at 6h. 30m.	
8	L	Overcast in two strata with ≤≤, moving NE.	
8	L	≤≤ and ≤≤ scattered about.	
8	N	≤≤ scattered throughout, moving NE; rain at 9h. 25m. which lasted 20m.	
8	N	Overcast with ≤≤, moving NE.	
8	N	Overcast; drizzling rain.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 5th—Noon.	29.597	28.611	81°4	80°0	1°4	79°5	0.94	82°2	82°5	S b W	0.1	0.06				
1 p. m.	.585	.576	83.2	81.0	2.2	80.2	.91	83.8	82.6	WSW	0.1	0.07				
2 „	.571	.556	82.6	81.0	1.6	80.4	.94	84.0	82.7	W b N	0.1	0.02				
3 „	.551	.551	84.0	81.0	3.0	80.0	.88	84.0	83.0	WSW	0.1					
4 „	.552	.556	84.4	81.0	3.4	79.8	.86	85.0	83.1	W b S	0.1					
5 „	.545	.568	82.9	80.2	2.7	79.2	.89	83.4	82.0	„	0.3					
6 „	.545	.574	82.0	79.8	2.2	79.0	.91	82.4	82.8	W	0.3	0.13				
7 „	.561	.619	80.8	78.8	2.0	78.1	.92	81.4	82.8	WSW	0.2					
8 „	.588	.630	80.1	79.0	1.1	78.6	.95	80.9	82.7	„	0 to 1¾	0.39				
9 „	.610	.682	79.0	78.0	1.0	77.6	.96	79.7	82.5	W	0 to 1¾	0.14	Neg.	1.0		2.00
10 „	.609	.679	78.8	78.0	0.8	77.7	.97	79.5	82.4	„	0.5	0.38	Neg.	Out of Sc.	30.0	0.05
11 „	.602	.672	78.8	78.0	0.8	77.7	.97	79.5	82.3	„	0.2	0.08				
July 7th—Midnight	.642	.701	81.6	79.0	2.6	78.0	.89	82.2	82.6	WSW	0.2					
1 a. m.	.629	.727	81.4	78.0	3.4	76.7	.86	82.0	82.6	„	0.3					
2 „	.624	.720	81.2	78.0	3.2	76.8	.87	82.6	82.5	„	0.1					
3 „	.626	.720	81.0	78.0	3.0	76.8	.88	82.1	82.4	„	0.0					
4 „	.629	.763	81.0	77.0	4.0	75.4	.84	82.0	82.3	„	0.1					
5 „	.637	.703	80.3	78.6	2.2	77.8	.91	81.4	82.5	„	0.1					
6 „	.649	.708	80.9	78.8	2.1	78.0	.91	81.5	82.5	W b S	0.2					
7 „	.662	.723	81.8	79.0	2.8	78.0	.89	83.2	82.6	WSW	0.2					
8 „	.674	.706	83.7	80.2	3.5	78.9	.86	84.2	82.8	„	0.2					
9 „	.687	.717	84.4	80.4	4.0	79.0	.84	85.2	83.0	„	0.2					
10 „	.699	.727	85.8	80.8	5.0	79.1	.81	86.0	83.1	SW b W	0.1					
11 „	.704	.728	87.0	81.2	5.8	79.2	.78	86.1	83.4	„	0.2					
Noon.	.697	.708	87.4	81.6	5.8	79.6	.78	86.2	83.5	SW	0.3		None.	None.	None.	None.
1 p. m.	.702	.746	88.0	81.0	7.0	78.5	.74	87.4	83.9	W	0.1					
2 „	.695	.693	87.8	82.0	5.8	80.0	.78	87.2	84.1	WSW	0.1					
3 „	.665	.700	87.2	81.0	6.2	78.8	.77	86.4	84.0	W	0.2					
4 „	.655	.688	87.0	81.0	6.0	78.9	.78	86.2	84.0	WSW	0.1					
5 „	.657	.698	85.4	80.4	5.0	78.6	.81	84.8	84.0	„	0.2					
6 „	.676	.758	83.7	79.0	4.7	77.3	.82	83.2	83.8	„	0.1					
7 „	.684	.758	82.6	78.9	3.7	77.5	.85	82.4	83.7	W b S	0.3	0.03				
8 „	.691	.756	82.2	79.0	3.2	77.8	.87	82.2	83.6	WSW	0.2					
9 „	.713	.795	82.2	78.6	3.6	77.3	.86	82.2	83.5	„	0.2					
10 „	.717	.778	81.8	79.0	2.8	78.0	.89	82.1	83.5	W	0.1					
11 „	.709	.753	81.0	79.2	1.8	78.5	.93	81.4	83.5	SW b W	0.1					
July 8th—Midnight	.705	.745	81.4	79.4	2.0	78.7	.92	82.0	83.3	W	0.2					
1 a. m.	.701	.759	81.2	79.0	2.2	78.2	.91	82.2	83.2	„	0.1					
2 „	.701	.753	81.0	79.0	2.0	78.3	.92	82.0	83.1	„	0.1					
3 „	.687	.781	81.0	78.0	3.0	76.8	.88	81.4	83.0	WNW	0.1					
4 „	.680	.767	80.4	78.0	2.4	77.1	.90	81.0	82.8	WSW	0.1	0.04				
5 „	.684	.782	80.6	77.8	2.8	76.7	.89	81.0	83.0	W	0.4					
6 „	.694	.784	80.6	78.0	2.6	77.0	.89	81.2	83.0	W b S	0.2					
7 „	.707	.731	82.3	80.0	2.3	79.2	.91	83.2	83.1	„	0.1					
8 „	.718	.767	84.2	79.9	4.3	78.4	.83	84.0	83.3	W	0.2					
9 „	.724	.774	85.4	80.2	5.2	78.3	.80	85.0	83.5	„	0.1					
10 „	.732	.762	86.0	80.8	5.2	79.0	.80	85.8	83.5	„	0.1					
11 „	.725	.743	87.2	81.4	5.8	79.4	.78	86.3	83.9	„	0.1					
Noon.	.714	.743	88.2	81.4	6.8	79.0	.75	87.4	84.1	W b S	0.2		None.	None.	None.	None.
1 p. m.	.704	.755	88.6	81.0	7.6	78.3	.72	88.4	84.4	„	0.1					
2 „	.679	.690	89.0	82.0	7.0	79.6	.75	88.8	84.5	„	0.1					
3 „	.669	.696	89.0	81.5	7.5	79.1	.73	88.4	84.6	WSW	0.1					
4 „	.646	.694	88.4	81.0	7.4	78.4	.74	87.8	84.7	„	0.1					
5 „	.648	.707	86.2	80.2	6.0	78.0	.78	85.2	84.6	W b S	0.1					
6 „	.660	.713	83.8	79.7	4.1	78.2	.84	83.6	84.4	WSW	0.1					
7 „	.671	.733	83.0	79.3	3.7	77.9	.85	83.0	84.2	„	0.1					
8 „	.683	.769	82.6	78.6	4.0	77.1	.84	82.7	84.1	„	0.1					
9 „	.692	.734	82.4	79.6	2.8	78.6	.89	82.4	84.0	SW b W	0.1					
10 „	.702	.767	82.2	79.0	3.2	77.8	.87	82.2	84.0	WSW	0.1					
11 „	.700	.755	82.0	79.2	2.8	78.2	.89	82.2	83.8	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	N	Overcast; raining lightly.	
8	D	Overcast; rain ceased at full hour and re-commenced at 1h. 38m.	
8	D	Overcast; rain ceased at full hour.	
7	D	≈, ≈, and ≈ scattered throughout; ≈, moving NE.	
8	D	Overcast with ≈, moving NE.	
8	L	Overcast; light rain at 5h. 7m. which lasted 9m.	
8	L	≈ scattered throughout; a few ≈ in zth.	
8	L	≈ scattered throughout, moving NE; rain commenced at 7h. 15m.	
8	L	Overcast with ≈; raining.	
8	L	" " "	
8	L	Overcast; rain ceased at 10h. 50m.	
8	L	Overcast with ≈ whose motion was not apparent.	
8	N	Overcast in two strata with ≈, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°5 and 86°0. Daily fall of rain by Osler's Gauge 0.03 in. At 2 P. M. the Temperature of Wet Bulb Thermometer was 82.0, being about 2°1 lower than the Normal Mean.
8	D	" " " " "	
6	D	≈ scattered throughout, moving E.	
7	D	" " " "	
8	D	Overcast with ≈, moving E.	
8	L	Overcast with ≈ in two strata, the lower one moving ENE.	
8	L	Overcast with ≈, moving ENE; light ≈ in E, SE, and S.	
8	L	≈ and ≈ scattered throughout.	
8	L	" " " "	
8	N	≈ scattered throughout, moving E.	
7	N	" " " "	
6	N	" " " "	
6	N	" " " "	
7	D	≈ and ≈ scattered throughout.	
8	D	≈ and ≈ scattered throughout, moving NE.	
8	D	" " " " "	
8	D	" " " " "	
8	L	" " " " "	
8	L	Overcast with ≈ and ≈; a passing shower of rain at the time of observation.	
8	L	≈ around hor.; ≈ scattered throughout.	
6	L	≈ about hor. from W to E; light ≈ scattered about.	
6	N	≈ scattered about, moving E; a passing shower of rain at 9h. 25m.	
7	N	≈ scattered about, moving E; a passing shower of rain at 10h. 30m.	
7	N	≈ scattered about, moving E; a passing shower of rain at 11h. 10m.	
7	N	≈ scattered throughout, moving E. [lasted 4m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 86°0. Daily fall of rain by Osler's Gauge 0.04 in. At 2 P. M. the Temperature of Air was 89°0, the greatest during the month, being about 5°0 higher than the Normal Mean. At 10 A. M., the height of Barometer was 29.732, the highest during the month, being about 0.080 higher than the Normal Mean.
6	D	≈ and ≈ scattered about, the former moving NE; light rain at full hour which	
6	D	≈ and ≈ scattered about, the former rather densely around hor.	
6	D	Overcast with ≈ and ≈; light rain at 3h. 7m. which lasted 12m. [lasted 4m.	
6	D	Overcast with ≈ and ≈, the latter moving NE; light rain at 4h. 15m. which	
8	L	≈ scattered around hor.; ≈ dispersed throughout.	
8	L	" " " " " "	
8	L	Overcast with ≈ and ≈, the former very dense about hor.	
8	L	≈ and ≈ scattered throughout; hazy.	
8	N	≈ and ≈ scattered throughout, the former moving E.	
8	N	" " " " " " "	
7	N	" " " " " " " "	
6	N	" " " " " " " "	
5	D	≈ and scud scattered about, the former moving E.	
6	D	" " " " " "	
5	D	≈ and ≈ scattered about, the former moving E.	
7	D	" " " " " "	
8	L	≈ about hor.; ≈ scattered throughout; light rain at 5h. 7m.	
8	L	≈ around hor., moving E; ≈ scattered throughout.	
8	L	≈ scattered around hor., moving E; ≈ dispersed throughout; hazy.	
6	L	≈ and a few masses of ≈ scattered about.	
7	N	≈ and ≈ scattered about, the latter moving E; a lunar-halo.	
8	N	≈ and ≈ scattered throughout, moving E.	
5	N	" " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 9th-Midnight	29.691	28.758	81°6	78°8	2°8	77°3	0.89	82°1	83°8	WSW	0.1					
1 a. m.	.677	.775	81.4	78.0	3.4	76.7	.86	82.0	83.7	SW b W	0.1					
2 „	.664	.761	81.3	78.0	3.3	76.7	.87	81.8	83.6	WSW	0.1					
3 „	.656	.754	81.4	78.0	3.4	76.7	.86	82.0	83.5	„	0.1					
4 „	.655	.751	81.2	78.0	3.2	76.8	.87	81.8	83.5	„	0.1					
5 „	.663	.758	81.1	78.0	3.1	76.8	.87	81.4	83.4	„	0.1					
6 „	.677	.832	80.1	76.2	3.9	74.7	.84	80.2	83.3	SW	0.1		None.	None.	None.	None.
7 „	.691	.756	81.8	78.9	2.9	77.8	.88	82.2	83.3	SW b W	0.1					
8 „	.704	.774	83.4	79.2	4.2	77.7	.83	83.5	83.5	WSW	0.1					
9 „	.706	.747	85.4	80.0	5.0	78.6	.81	85.2	83.6	„	0.1					
10 „	.700	.707	84.6	81.0	3.6	79.7	.86	84.4	83.7	„	0.1	0.10				
11 „	.699	.688	87.0	82.0	5.0	80.3	.81	86.4	83.9	„	0.1					
Noon.	.694	.730	83.4	80.9	3.4	78.8	.87	82.2	84.0	SW	0.5	0.04				
1 p. m.	.687	.763	83.2	79.0	4.2	77.5	.83	83.2	84.2	SW b S	0.1					
2 „	.676	.732	85.2	80.0	5.2	78.1	.80	85.4	84.2	WSW	0.1					
3 „	.661	.715	85.0	80.0	5.0	78.2	.81	84.8	84.1	„	0.1					
4 „	.646	.724	83.4	79.0	4.4	77.4	.83	83.2	84.0	SW	0.1					
5 „	.638	.670	83.0	80.0	3.0	78.9	.88	83.0	83.8	SSW	0.3					
6 „	.643	.722	82.7	78.8	3.9	77.4	.85	82.8	83.8	„	0.1					
7 „	.647	.738	82.2	78.4	3.8	76.9	.85	82.2	83.7	SW	0.2					
8 „	.663	.755	81.6	78.2	3.4	76.9	.86	81.8	83.6	SW b S	0.1					
9 „	.677	.730	81.8	79.2	2.6	78.2	.89	82.2	83.5	„	0.1					
10 „	.680	.739	81.6	79.0	2.6	78.0	.89	82.1	83.4	SW	0.1					
11 „	.685	.741	80.6	78.8	1.8	78.1	.93	81.1	83.4	S	0.1					
July 10th-Midnight	.663	.753	80.6	78.0	2.6	77.0	.89	81.0	83.3	SW b S	0.1					
1 a. m.	.632	.719	80.4	78.0	2.4	77.1	.90	81.0	83.2	SSW	0.2					
2 „	.628	.713	80.2	78.0	2.2	77.2	.91	80.8	83.1	WSW	0.1	0.10				
3 „	.622	.738	79.4	77.0	2.4	76.2	.90	80.0	83.0	„	0.1					
4 „	.622	.734	79.0	77.0	2.0	76.2	.92	80.0	82.9	SW b S	0.1	0.02				
5 „	.627	.718	80.0	77.8	2.2	76.9	.91	80.4	82.9	WSW	0.3					
6 „	.646	.729	80.0	78.0	2.0	77.2	.92	80.5	82.8	„	0.2	0.01				
7 „	.667	.760	81.3	78.1	3.2	76.9	.87	81.6	82.9	„	0.1					
8 „	.687	.762	82.3	78.8	3.5	77.5	.86	82.7	83.0	SW b W	0.2					
9 „	.701	.754	84.9	80.0	4.9	78.2	.81	84.4	83.3	„	0.1					
10 „	.698	.735	85.0	80.4	4.6	78.8	.82	85.0	83.5	WSW	0.1					
11 „	.685	.704	86.6	81.2	5.4	79.4	.80	86.3	83.7	„	0.1		None.	None.	None.	None.
Noon.	.675	.712	87.4	81.0	6.4	78.8	.76	86.6	84.0	SW	0.1					
1 p. m.	.668	.708	87.6	81.0	6.6	78.7	.76	87.2	84.1	WNW	0.2					
2 „	.660	.723	85.8	80.0	5.8	77.9	.78	86.0	84.2	W b S	0.1					
3 „	.637	.722	84.0	79.0	5.0	77.2	.81	84.2	84.1	SW b W	0.1					
4 „	.632	.726	84.8	79.0	5.8	76.8	.78	84.4	84.0	WSW	0.2					
5 „	.621	.711	83.3	78.7	4.6	77.0	.82	83.8	83.9	W b S	0.1					
6 „	.626	.717	82.8	78.5	4.3	76.9	.83	83.4	83.7	„	0.2					
7 „	.632	.705	82.9	79.0	3.9	77.6	.85	83.4	83.8	WSW	0.2					
8 „	.653	.725	82.8	79.0	3.8	77.6	.85	83.4	83.8	„	0.1					
9 „	.652	.710	83.0	79.4	3.6	78.1	.86	83.4	83.7	„	0.3					
10 „	.651	.735	82.4	78.6	3.8	77.2	.85	82.6	83.6	W	0.4					
11 „	.641	.747	82.1	78.0	4.1	76.4	.84	82.3	83.5	W b S	0.2					
July 11th-Midnight	.634	.713	82.0	78.6	3.4	77.4	.86	82.3	83.5	W b S	0.1					
1 a. m.	.619	.680	81.8	79.0	2.8	78.0	.89	82.2	83.5	W	0.1					
2 „	.616	.670	81.2	79.0	2.2	78.2	.91	82.0	83.5	W b S	0.1					
3 „	.605	.705	81.5	78.0	3.5	76.6	.86	82.0	83.4	W	0.1					
4 „	.594	.695	81.6	78.0	3.6	76.6	.85	82.0	83.5	WSW	0.2					
5 „	.607	.714	81.4	77.8	3.6	76.4	.85	82.2	83.4	W b S	0.4		None.	None.	None.	None.
6 „	.622	.723	81.6	78.0	3.6	76.6	.86	82.2	83.3	WSW	0.2					
7 „	.635	.756	79.8	77.0	2.8	75.9	.88	81.0	83.0	W	0.1	None.				
8 „	.647	.738	82.2	78.4	3.8	76.9	.85	82.2	83.2	WSW	0.3					
9 „	.652	.685	85.4	80.6	4.8	78.9	.81	85.6	83.5	„	0.2					
10 „	.654	.742	85.0	79.2	5.8	77.1	.78	84.2	83.8	W	0.4					
11 „	.636	.746	84.8	78.6	6.2	76.3	.76	86.0	83.5	W b S	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ∩ cumuli; ≈ cirro-strati; ∩ cumulo-strati; and ≈ nimbi.	
8	N	Dense ≈ scattered throughout; ≈ moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.16 in.
8	D	Overcast with ≈ and haze; ≈ scattered about hor., moving E.	
8	D	≈ and ≈ scattered about; hazy.	
8	D	" " " "	
8	D	" " " "	
8	L	" " " " ; light rain at 5h. 37m.	
8	L	≈ around hor. from N to SW; ≈ scattered throughout.	
8	L	" " " " " "	
8	L	" " " " " "	
8	N	Overcast with ≈, moving E; a passing shower at 9h. 25m.	
8	N	Overcast with ≈, moving E.	
8	N	Overcast; light rain at 11h. 48m.	
8	N	≈ in two strata dispersed throughout, moving NE.	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	" " " " " "	
8	L	" " " " " "	
8	L	" " " " " "	
7	L	≈ scattered about, and ≈ at intervals throughout.	
7	L	A few patches of ≈ about 2th.; ≈ around hor.	
8	N	≈ scattered throughout, moving E.	
8	N	Overcast; a passing shower of rain at 10h. 40m.	
6	N	≈ scattered about, moving E.	
5	N	≈ scattered about, moving E; light rain at 51m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.13 in. On the 10th the Second Maximum of Barometer a little earlier.
8	D	Overcast with ≈ and ≈; rain commenced at 1h. 9m. and ceased at 1h. 32m.	
8	D	Overcast with ≈; rain at 2h. 57m.	
8	D	Overcast with ≈; rain ceased at 3h. 29m.	
5	D	≈ and ≈ scattered throughout, the latter moving NE.	
7	L	≈ around hor. and ≈ scattered throughout; light rain at 5h. 32m.	
8	L	≈ scattered throughout; a few patches of ≈ in SW and S above hor.	
8	L	Overcast with ≈ and ≈, the former moving E; a few ∩ in E.	
8	L	≈ around hor.; ≈ and ≈ scattered throughout.	
4	N	≈ scattered about, moving E.	
8	N	" " " "	
8	N	" " " "	
8	N	" " " "	
6	D	≈ scattered about hor.; ≈ scattered throughout; a few drops of rain at 1h. 48m.	
8	D	Overcast in two strata with ≈, moving NE.	
7	D	≈ scattered throughout, moving NE.	
8	D	" " " "	
8	L	" " " "	
6	L	" " " "	
7	L	≈ around hor.; ≈ and ≈ scattered throughout.	
8	L	≈ around hor. and in SW; ≈ scattered throughout.	
8	N	Overcast with ≈ moving E.	
8	N	" " " "	
8	N	" " " "	
8	N	Overcast with ≈, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.18 in. On the 11th, at 4 P. M., the Temperature of Air fell 6°4 in one hour, and rose 2°4 for the next hour, and at the same hour the Temperature of Wet Bulb Thermometer fell 4°0, and rose 3°5 for the next hour. The force of Wind was greater than 1.0 lb.
5	D	≈ around hor.; ≈ scattered throughout.	
6	D	≈ scattered throughout.	
7	D	≈ and ≈ scattered about, the latter moving E.	
7	D	Clouded as before, but the motion of clouds was NE.	
4	L	≈ scattered about, moving E. [rain at 6h. 50m.	
4	L	≈ around hor.; ≈ scattered about hor.; a few scud floating E; a few drops of	
8	L	Overcast with ≈, moving E; light rain at 7h. 55m.	
6	L	≈ scattered about, moving E.	
5	N	" " " "	
8	N	" " " "	
8	N	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 11th-Noon.	29.630	28.647	87°6	81°5	6°1	79°4	0.78	88°0	83°9	WSW	0.2	0.03				
1 p. m.	.611	.626	86.4	81.0	5.4	79.5	.79	86.2	84.0	W b S	0.1					
2 „	.586	.617	86.8	81.0	5.8	79.0	.78	86.4	84.2	„	0.1					
3 „	.575	.644	86.4	80.0	6.4	77.7	.76	86.2	84.1	NNW	¼ to 4	0.12	Pos.	2.0		0.04
4 „	.567	.729	80.0	76.0	4.0	74.4	.84	80.6	83.5	NW	¼ to 1½					
5 „	.552	.598	82.4	79.5	2.9	78.5	.88	82.9	83.6	NW b N	0.1				None.	
6 „	.563	.639	83.2	79.0	4.2	77.5	.83	83.0	83.7	W	0.4					
7 „	.571	.641	82.6	79.0	3.6	77.7	.86	82.8	83.7	„	0.4					
8 „	.585	.674	82.5	78.5	4.0	77.0	.84	82.5	83.7	„	0 to 1½					
9 „	.596	.669	81.8	78.7	3.1	77.6	.87	82.2	83.5	W b S	0.4					
10 „	.596	.684	81.2	78.2	3.0	77.1	.88	81.6	83.5	„	0 to 1	0.03				
11 „	.586	.676	81.4	78.2	3.2	77.0	.87	81.4	83.6	„	0.1					
July 12th-Midnight	.574	.641	81.6	78.8	2.8	77.8	.89	82.0	83.5	WSW	¼ to 2¼					
1 a. m.	.558	.656	81.4	78.0	3.4	76.7	.86	82.2	83.4	W	0.1					
2 „	.538	.621	80.0	78.0	2.0	77.2	.92	80.4	83.2	W b S	0.1	0.02				
3 „	.528	.622	81.0	78.0	3.0	76.8	.88	81.0	83.1	„	0.3					
4 „	.532	.626	81.0	78.0	3.0	76.8	.88	81.2	83.1	„	0.1					
5 „	.545	.641	81.2	78.0	3.2	76.8	.87	81.6	83.2	WSW	0.2					
6 „	.562	.637	81.2	78.5	2.7	77.5	.89	81.6	83.1	„	0.1					
7 „	.575	.689	81.3	77.6	3.7	76.1	.85	81.6	83.1	W b S	0 to 1½					
8 „	.585	.707	82.8	77.8	5.0	75.9	.80	83.0	83.3	WSW	0.6					
9 „	.592	.639	82.5	79.5	3.0	78.4	.88	82.5	83.3	SW b S	0.2					
10 „	.596	.659	81.6	78.9	2.7	77.9	.89	82.0	83.3	WSW	0.2	0.03				
11 „	.582	.604	82.1	80.0	2.1	79.3	.91	82.4	83.1	W b S	0.1	0.17				
Noon.	.578	.549	85.4	82.0	3.4	80.9	.87	86.1	83.5	„	0.2		None.	None.	None.	None.
1 p. m.	.559	.539	86.2	82.0	4.2	80.6	.84	86.2	83.9	W b N	0.1					
2 „	.546	.546	88.0	82.0	6.0	80.0	.78	88.2	84.2	WNW	0.1					
3 „	.538	.575	87.4	81.0	6.4	78.8	.76	87.8	84.4	„	0.1					
4 „	.526	.552	86.4	81.0	5.4	79.1	.79	86.2	84.5	„	0.1					
5 „	.535	.539	85.2	81.2	4.0	79.8	.84	85.2	84.4	W b N	0.1					
6 „	.545	.614	84.0	79.4	4.6	77.7	.82	84.1	84.0	WNW	0.1					
7 „	.551	.613	83.4	79.4	4.0	77.9	.84	83.4	84.0	„	0.1					
8 „	.571	.645	83.0	79.0	4.0	77.5	.84	83.0	84.0	„	0.1					
9 „	.583	.636	82.6	79.4	3.2	78.2	.87	82.8	83.8	„	0.1					
10 „	.591	.657	82.4	79.0	3.4	77.8	.86	82.6	83.9	„	0.1					
11 „	.583	.648	82.2	79.0	3.2	77.8	.87	82.3	83.8	„	0.2					
July 14th-Midnight	.604	.710	80.6	77.6	3.0	76.4	.88	81.0	83.9	NNW	0.2	0.04				
1 a. m.	.580	.718	77.8	76.0	1.8	75.3	.92	78.6	83.6	SE b S	0.1	0.34				
2 „	.571	.672	78.0	77.0	1.0	76.6	.96	79.4	83.5	ESE	0.1	0.12				
3 „	.570	.699	77.0	76.0	1.0	75.6	.96	78.4	83.3	WSW	0.0	1.11				
4 „	.572	.701	77.0	76.0	1.0	75.6	.96	79.0	83.2	„	0.1					
5 „	.578	.711	77.4	76.0	1.4	75.5	.94	78.2	82.8	„	0.0	0.01				
6 „	.600	.760	77.0	75.2	1.8	74.5	.92	77.2	82.6	„	0.0	0.13				
7 „	.613	.735	77.1	76.2	0.9	75.9	.96	78.2	82.5	SSW	0.1					
8 „	.632	.747	78.2	76.7	1.5	76.1	.94	78.8	82.5	WNW	0.1					
9 „	.635	.749	77.8	76.6	1.2	76.1	.95	79.0	82.2	„	0.1	0.02				
10 „	.644	.756	79.0	77.0	2.0	76.2	.92	80.0	82.4	„	0.1					
11 „	.633	.705	79.0	78.0	1.0	77.6	.96	80.0	82.4	„	0.1	0.05				
Noon.	.610	.697	79.8	77.8	2.0	77.1	.92	80.2	82.4	NW	0.1		None.	None.	None.	None.
1 p. m.	.585	.641	81.4	79.0	2.4	78.1	.90	80.4	82.3	„	0.1					
2 „	.571	.634	82.0	79.0	3.0	77.9	.88	82.0	82.4	NE	0.1					
3 „	.558	.665	82.2	78.0	4.2	76.4	.83	82.2	82.9	NE b E	0.0					
4 „	.539	.622	80.0	78.0	2.0	77.2	.92	80.4	82.7	„	0.0	0.05				
5 „	.550	.751	79.5	77.4	2.1	76.6	.91	80.2	82.5	SSE	0.0					
6 „	.566	.679	79.1	77.0	2.1	76.2	.91	79.8	82.5	S	0.0	0.01				
7 „	.577	.673	79.0	77.4	1.6	76.8	.93	79.6	82.4	SSW	0.1	0.03				
8 „	.589	.682	78.8	77.4	1.4	76.9	.94	79.5	82.4	„	0.2					
9 „	.611	.742	78.6	76.4	2.2	75.5	.91	78.6	82.3	WSW	0.2	0.01				
10 „	.629	.760	77.2	76.0	1.2	75.5	.95	78.0	82.0	W	0.5	0.22				
11 „	.611	.719	77.2	76.6	0.6	76.4	.97	78.0	82.0	S b E	0.1	0.09				

Amount of Clouds 0 to 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
8	N	Overcast with Cirro-cumuli; light rain at 12h. 32m.	
6	D	Cirro-cumuli scattered about, moving NE.	
8	D	[at 3h. 30m.	
8	D	Overcast with Cirro-cumuli, moving NE; rain and wind commenced at 3h. 4m. and ceased	
8	D	Overcast with Cirro-cumuli, moving NE.	
8	L	Overcast in two strata with Cirro-cumuli, moving E.	
8	L	Overcast with Cirri and Cirro-cumuli in two strata, the lower stratum of Cirro-cumuli, moving E.	
7	L	Cirro-cumuli scattered about, moving E; a few patches of Cirri in zth.; Cirri in W above hor.	
8	L	Overcast with Cirro-cumuli, moving E; rain commenced at full hour and ceased at 9h. 25m.	
8	N	Overcast with Cirro-cumuli; rain at 9h. 25m.	
1	N	A mass or two of Cirro-cumuli discernible at times; hor. densely clouded.	
1	N	Clear, except in hor.	
4	N	Masses of Cirro-cumuli scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.22 in. The force of Wind was greater than 1.0 lb.; at 4 P. M. the height of Barometer was 29.526, being about 0.059 lower than the Normal Mean.
4	D	Cirro-cumuli scattered about hor., moving NE; light rain with gusts of wind at 1h. 30m.	
3	D	Cirro-cumuli scattered about hor., moving E.	
5	D	" " " "	
5	D	" " " "	
6	L	" " " "	
7	L	Cirro-cumuli and Cirri scattered about, the former moving E.	
7	L	Cirro-cumuli around hor.; Cirri scattered about.	
6	L	Cirro-cumuli scattered in E hem. and about hor.	
6	N	Cirro-cumuli scattered throughout, moving E; light rain commenced at 9h. 30m.	
8	N	Overcast with Cirro-cumuli; rain ceased at 10h. 45m.	
8	N	Overcast in two strata with Cirro-cumuli, moving E.	
8	N	" " " " "	
8	D	Overcast with Cirro-cumuli and Cirri, the former moving NE.	
8	D	Overcast; a solar-halo.	
8	D	" " "	
8	D	Cirro-cumuli around hor.; otherwise clouded with dense Cirri.	
8	N	Cirro-cumuli scattered throughout, moving E.	
8	N	" " " "	
8	N	" " " "	
8	N	" " " "	
8	N	" " " "	
6	N	" " " "	
7	N	" " " "	
8	N	Overcast with Cirro-cumuli; raining.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 2.21 in. Wind blew in circular motion round the Compass.
8	D	" " "	
8	D	" " "	
8	D	Overcast with Cirro-cumuli; rain ceased.	
8	D	Overcast; a few drops of rain at 4h. 2m.	
8	L	Overcast; rain commenced at 5h. 37m.	
8	L	Overcast; raining lightly.	
8	L	" " "	
8	L	Overcast with Cirro-cumuli, moving ESE; light rain at 8h. 9m. which lasted for 16m.	
8	N	Overcast with Cirro-cumuli whose motion was not apparent.	
8	N	Overcast; raining lightly.	
8	N	Overcast with Cirro-cumuli.	
8	N	" "	
8	D	" "	
8	D	Overcast; drops of rain falling.	
8	D	Overcast; light rain at 3h. 34m.	
8	D	Overcast in two strata with Cirro-cumuli, moving E; raining lightly.	
8	L	Overcast; light rain at 5h. 14m. which lasted 6m.	
8	L	Overcast; rain commenced at 6h. 15m. and ceased at 6h. 30m.	
8	L	Overcast in two strata with Cirro-cumuli, moving E.	
8	L	" " " " "	
8	N	Overcast; raining lightly.	
8	N	" " "	
8	N	Overcast; drizzling rain.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 15th-Midnight	29.596	28.697	78°0	77°0	1°0	76°6	0.96	78°5	82°0	S b E	0.1					
1 a. m.	.572	.669	77.6	77.0	0.6	76.7	.98	78.2	81.9	SSW	0.0					
2 „	.562	.700	77.8	76.0	1.8	75.3	.92	78.4	81.8	S b W	0.0					
3 „	.555	.695	78.0	76.0	2.0	75.2	.92	78.4	81.8	SSW	0.0					
4 „	.558	.698	78.0	76.0	2.0	75.2	.92	78.6	81.7	SW	0.0					
5 „	.574	.686	77.2	76.5	0.7	76.2	.97	78.0	81.6	WSW	0.1	0.04				
6 „	.586	.688	78.1	77.0	1.1	76.6	.95	78.9	81.6	„	0.1					
7 „	.600	.659	78.9	78.3	0.6	78.0	.98	79.6	81.8	SSW	0.2					
8 „	.608	.672	79.8	78.4	1.4	77.9	.94	80.2	81.9	S b E	0.3	0.02				
9 „	.608	.653	80.4	79.0	1.4	78.5	.94	81.0	81.8	WSW	0.2	0.09				
10 „	.610	.608	83.8	81.0	2.8	80.0	.89	84.2	82.4	W b S	0.3					
11 „	.603	.650	84.4	80.0	4.4	78.4	.83	84.1	82.6	W b N	0.4					
Noon.	.590	.586	85.2	81.4	3.8	80.1	.85	85.6	82.8	W	0.2		None.	None.	None.	None.
1 p. m.	.579	.633	85.0	80.0	5.0	78.2	.81	85.2	82.9	„	0.1					
2 „	.570	.591	85.0	81.0	4.0	79.6	.84	85.2	82.9	W b N	0.1					
3 „	.549	.601	84.8	80.0	4.8	78.3	.81	84.6	83.2	W b S	0.1					
4 „	.537	.611	83.0	79.0	4.0	77.5	.84	83.2	83.1	WSW	0 to ½					
5 „	.542	.539	83.0	80.8	2.2	80.1	.91	83.4	83.0	W b N	0.0					
6 „	.566	.684	82.4	77.8	4.6	76.0	.82	82.4	83.0	WSW	0 to 1					
7 „	.581	.659	81.9	78.6	3.3	77.4	.87	82.2	83.0	„	½ to 1					
8 „	.599	.668	82.2	78.9	3.3	77.7	.87	82.5	83.0	W b S	0.2					
9 „	.608	.666	80.8	78.8	2.0	78.1	.92	81.4	82.8	„	0.2	0.10				
10 „	.606	.673	80.0	78.4	1.6	77.8	.93	80.4	82.7	WSW	0.1					
11 „	.600	.658	80.8	78.8	2.0	78.1	.92	81.4	82.7	„	0.2					
July 16th-Midnight	.591	.655	80.6	78.6	2.0	77.9	.92	81.2	82.7	WSW	0.1					
1 a. m.	.573	.638	78.4	78.0	0.4	77.8	.98	80.0	82.6	W b N	0 to 3	0.22				
2 „	.559	.642	80.0	78.0	2.0	77.2	.92	80.4	82.5	WSW	0.0					
3 „	.547	.630	80.0	78.0	2.0	77.2	.92	80.5	82.4	„	0.0					
4 „	.550	.657	78.5	77.0	1.5	76.4	.94	79.2	82.3	„	⅛ to 2⅜	0.08				
5 „	.555	.629	79.2	78.0	1.2	77.5	.95	80.2	82.2	W b S	⅛ to 4	0.04				
6 „	.571	.711	79.4	76.4	3.0	75.2	.88	79.8	82.3	WSW	⅛ to 1½	0.10				
7 „	.579	.629	80.8	79.0	1.8	78.3	.92	81.4	82.3	W b S	0.4					
8 „	.592	.646	81.9	79.2	2.7	78.2	.89	82.2	82.5	W	0.6					
9 „	.612	.684	82.8	79.0	3.8	77.6	.85	83.2	82.5	„	0.5					
10 „	.620	.640	84.2	80.6	3.6	79.3	.86	84.4	82.9	„	0.4					
11 „	.623	.732	82.4	78.0	4.4	76.3	.83	82.2	82.9	„	0.4					
Noon.	.604	.731	80.0	76.9	3.1	75.7	.87	80.8	82.5	SW	0.2		None.	None.	None.	None.
1 p. m.	.581	.603	86.0	81.0	5.0	79.3	.81	86.2	83.2	W	⅛ to 1⅜					
2 „	.576	.611	87.2	81.0	6.2	78.8	.77	86.4	83.4	W b N	⅛ to 1½					
3 „	.545	.591	88.2	81.0	7.2	78.5	.74	88.0	83.6	W	⅛ to 1⅜					
4 „	.540	.575	87.2	81.0	6.2	78.8	.77	86.4	83.8	W b S	0.1					
5 „	.539	.602	85.8	80.0	5.8	77.9	.78	85.2	83.8	„	0.2					
6 „	.548	.614	84.2	79.5	4.7	77.8	.82	84.2	83.6	„	0.3					
7 „	.554	.632	82.6	78.8	3.8	77.4	.85	83.2	83.5	WSW	0.2					
8 „	.575	.653	82.6	78.8	3.8	77.4	.85	83.0	83.5	„	0.2					
9 „	.581	.654	82.2	78.8	3.4	77.6	.86	82.4	83.4	„	0.3					
10 „	.588	.787	79.8	75.0	4.8	73.0	.81	79.0	83.2	W b S	⅛ to 1⅜	0.02				
11 „	.582	.672	80.6	78.0	2.6	77.0	.89	81.4	83.0	WSW	0.5					
July 17th-Midnight	.572	.668	81.2	78.0	3.2	76.8	.87	81.6	83.0	SW b W	¼ to 1⅜					
1 a. m.	.560	.654	81.0	78.0	3.0	76.8	.88	81.4	82.9	WSW	0.1					
2 „	.534	.617	80.0	78.0	2.0	77.2	.92	80.8	82.8	SW b W	⅛ to ¾	0.02				
3 „	.529	.612	80.0	78.0	2.0	77.2	.92	80.6	82.9	WSW	0.2	0.06				
4 „	.535	.662	80.4	77.0	3.4	75.7	.86	80.4	82.8	„	0.1					
5 „	.549	.642	80.2	77.8	2.4	76.9	.90	80.8	82.7	„	⅛ to 1⅜	0.02	None.	None.	None.	None.
6 „	.570	.630	80.6	78.7	1.9	78.0	.91	81.2	82.6	W b S	0.4					
7 „	.582	.672	81.7	78.1	3.6	77.0	.86	82.3	82.8	SW b W	0.3					
8 „	.605	.651	83.4	79.7	3.7	78.5	.85	84.0	83.0	WSW	0.8					
9 „	.618	.639	85.2	80.8	4.4	79.3	.83	85.2	83.2	„	0 to 1					
10 „	.623	.700	84.0	79.2	4.8	77.4	.81	84.2	83.2	„	0 to 1					
11 „	.624	.673	83.4	79.8	3.6	78.4	.86	84.0	83.3	WNW	⅛ to 3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀≀ nimbi.	
8	N	Overcast; drizzling rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.25 in. The force of Wind was greater than 1.0 lb.
8	D	Overcast with ≀≀ whose motion was not apparent.	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	Overcast; drops of rain falling.	
8	L	Overcast with ≀≀.	
8	L	≀≀ scattered about hor.; ≀ and ≀≀ about zth. [7h. 50m., light rain at 7h. 57m.	
8	L	≀≀ around hor.; ≀ and ≀≀ scattered throughout; it became clouded with ≀≀ at	
8	L	Overcast in two strata with ≀≀, moving ENE; light rain at 8h. 58m.	
8	N	Overcast with ≀≀, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	D	" " " [7m.	
8	D	" " "	
8	D	Overcast in two strata with ≀≀, moving E; light rain at 3h. 29m. which lasted	
8	D	Overcast; light rain at 4h. 55m.	
8	L	≀≀ around hor.; ≀ in S and SE; ≀≀ scattered throughout.	
8	L	≀≀ around hor.; ≀ in E; ≀≀ scattered throughout.	
8	L	≀≀ and ≀≀ scattered throughout, the former moving E.	
8	L	Densely clouded with ≀≀, except in zth. a few ≀≀; rain commenced at 8h. 7m.	
8	N	≀≀ scattered throughout, moving E.	
8	N	" " " "	
7	N	" " " " [22m. and ceased at 37m.	
8	N	≀≀ scattered throughout, moving E; rain with gusts of wind commenced at	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.42 in. On the 16th, at 1 P. M., the Temperature of Air and the Temperature of Evaporation rose 6°0 and 4°1 respectively in one hour. High wind in the morning, Maximum Pressure 4 lbs. The Range of Wet Bulb Thermometer was 6°0, the highest during the month; the force of Wind was greater than 1.0 lb. on this day. The Range of Air was 9.8, which was the highest during the month.
8	D	Overcast with ≀≀, moving E.	
8	D	" " "	
8	D	Overcast; light rain and gusts of wind at 3h. 19m. which lasted 9m.	
8	D	Overcast; light rain with gusts of wind at 4h. 5m.	
8	L	Overcast; rain commenced at 5h. 15m. which lasted 5m.	
8	L	≀≀ scattered throughout, except in zth. a few patches of ≀≀.	
8	L	Overcast in two strata with ≀≀, moving E.	
8	L	" " " " "	
8	N	" " " " "	
8	N	Overcast; light rain at 10h. 45m.	
8	N	Overcast; light rain at 11h. 48m.	
8	N	Overcast in two strata with ≀≀, moving E.	
8	D	" " " " "	
8	D	" " " " "	
7	D	≀≀ and ≀ scattered throughout, the former moving E.	
7	D	" " " " " "	
8	L	≀≀ around hor., moving E; ≀≀ scattered throughout.	
8	L	≀≀ scattered throughout, except in zth. a few streaks of ≀.	
8	L	≀, ≀≀, and ≀≀ scattered about, ≀≀ moving E.	
8	L	≀, ≀≀, and ≀≀ scattered about, ≀≀ moving ENE.	
8	N	Overcast with ≀≀ and ≀, the former moving E; light rain at 9h. 58m.	
8	N	Overcast in two strata, the lower stratum moving E.	
8	N	Overcast with ≀≀ and ≀, the former moving E.	
8	N	Overcast with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.18 in. On the 17th fresh breezes, Maximum Pressure 3 lbs. The force of Wind was greater than 1.0 lb.
8	D	Overcast; rain commenced at 1h. 10m. which lasted 14m.	
8	D	Overcast; rain commenced at 2h. 4m. which lasted 15m.	
8	D	Overcast with ≀≀ and ≀.	
8	D	Overcast with ≀≀, moving E; light rain at 4h. 7m. which lasted 7m.	
8	L	Overcast with ≀≀, moving E; no rain.	
8	L	Overcast with ≀≀ in two strata.	
7	L	≀≀ around hor.; ≀≀ scattered about.	
6	L	≀≀ around hor.; ≀≀ and ≀ scattered throughout.	
7	N	Densely clouded with ≀≀, moving E.	
8	N	" " " "	
6	N	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds to the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 17th-Noon.	29.622	28.768	83°6	77°4	6°2	75°0	0.76	82°6	83°4	W	½ to 1½					
1 p.m.	.616	.668	84.8	80.0	4.8	78.3	.81	84.0	83.6	WSW	0 to 1					
2 „	.600	.700	85.4	79.0	6.4	76.6	.76	84.2	83.9	SW	¼ to 1½					
3 „	.592	.650	84.2	79.7	4.5	78.1	.82	84.2	83.7	WSW	0.1	0.06				
4 „	.592	.668	83.2	79.0	4.2	77.5	.83	84.0	83.6	W	0 to 2					
5 „	.590	.693	82.6	78.2	4.4	76.5	.83	83.2	83.4	WNW	¼ to 1½					
6 „	.597	.688	82.2	78.4	3.8	76.9	.85	82.6	83.3	W b N	0.2		None.	None.	None.	None.
7 „	.608	.702	81.0	78.0	3.0	76.8	.88	81.7	83.3	WSW	0.2	0.03				
8 „	.616	.710	81.4	78.1	3.3	76.8	.87	81.8	83.2	„	0.2					
9 „	.629	.747	79.0	76.8	2.2	76.0	.91	80.0	83.0	W b S	0 to 2¼	0.02				
10 „	.634	.726	80.8	78.0	2.8	76.9	.89	81.0	83.0	WSW	0.7					
11 „	.624	.675	80.2	78.8	1.4	78.3	.94	80.8	82.9	SW b W	0.4					
July 18th-Midnight	.611	.703	80.8	78.0	2.8	76.9	.89	81.2	82.9	SW b S	0.4					
1 a.m.	.595	.684	80.5	78.0	2.5	77.0	.90	81.0	82.8	SW	0.1					
2 „	.563	.703	78.0	76.0	2.0	75.2	.92	79.2	82.7	W b S	⅛ to 2¾	0.17				
3 „	.557	.629	79.0	78.0	1.0	77.6	.96	80.0	82.5	W	⅛ to 2¾					
4 „	.558	.681	80.0	77.0	3.0	75.8	.88	80.2	82.4	W b S	⅛ to 2¾					
5 „	.557	.640	80.0	78.0	2.0	77.2	.92	80.5	82.4	„	0.5	0.04				
6 „	.578	.668	80.6	78.0	2.6	77.0	.89	80.8	82.5	WSW	0.6					
7 „	.596	.664	81.0	78.6	2.4	77.7	.90	81.4	82.5	W	⅛ to 2					
8 „	.609	.660	82.4	77.4	3.0	78.3	.88	83.0	82.7	SW b W	0.5					
9 „	.622	.653	82.9	80.0	2.9	79.0	.88	83.3	82.8	„	0.4					
10 „	.621	.654	83.8	80.2	3.6	78.9	.86	84.2	83.0	WSW	0.5					
11 „	.620	.644	85.4	80.8	4.6	79.2	.82	86.0	83.2	„	⅛ to 1¾		None.	None.	None.	None.
Noon.	.616	.662	85.0	80.2	4.8	78.5	.81	84.8	83.4	„	0.5					
1 p.m.	.600	.604	84.4	81.0	3.4	79.8	.86	84.2	83.4	„	⅛ to 3½					
2 „	.596	.681	84.0	79.0	5.0	77.2	.81	84.0	83.4	„	⅛ to 3					
3 „	.596	.739	81.8	77.0	4.8	75.1	.82	82.0	83.4	W	⅛ to 4					
4 „	.591	.725	81.0	77.0	4.0	75.4	.84	82.0	83.1	WSW	0.1					
5 „	.579	.744	82.0	76.5	5.5	74.3	.78	82.2	83.0	„	0 to 1					
6 „	.587	.718	81.9	77.3	4.6	75.6	.82	82.1	83.0	SW	0.3					
7 „	.594	.735	81.6	77.0	4.6	75.2	.82	81.7	83.0	„	0.2					
8 „	.606	.733	81.1	77.2	3.9	75.7	.84	81.7	82.9	WSW	0.5					
9 „	.624	.716	81.6	78.2	3.4	76.9	.86	82.1	83.0	„	0.6					
10 „	.628	.720	81.6	78.2	3.4	76.9	.86	82.2	83.0	„	0.6					
11 „	.618	.691	81.4	78.6	2.8	77.6	.89	82.0	83.0	SW	0.7	0.02				
July 19th-Midnight	.606	.673	81.6	78.8	2.8	77.8	.89	82.2	83.0	SW b W	0.5					
1 a.m.	.584	.678	81.0	78.0	3.0	76.8	.88	82.0	82.9	„	0.4	0.01				
2 „	.568	.697	80.5	77.0	3.5	75.6	.86	81.4	82.8	SW	0.7					
3 „	.557	.684	80.4	77.0	3.4	75.7	.86	81.2	82.7	„	0.4	0.02				
4 „	.549	.678	80.5	77.0	3.5	75.6	.86	81.0	82.6	„	0.3	0.01				
5 „	.559	.689	80.6	77.0	3.6	75.6	.85	81.2	82.7	WSW	0.6					
6 „	.579	.665	80.6	78.1	2.5	77.1	.90	81.0	82.6	„	0.5					
7 „	.595	.701	79.2	77.2	2.0	76.4	.92	80.2	82.5	„	⅛ to 4⅜	0.08				
8 „	.613	.719	79.6	77.3	2.3	76.4	.91	79.7	82.5	„	⅛ to 3	0.06				
9 „	.619	.718	80.0	77.6	2.4	76.7	.90	81.0	82.3	W b S	⅛ to 3	0.04				
10 „	.627	.724	81.3	78.0	3.3	76.7	.87	82.1	82.5	W	⅛ to 2					
11 „	.624	.693	81.8	78.8	3.0	77.7	.88	82.2	82.5	W b S	⅛ to 2¾					
Noon.	.613	.641	84.2	80.4	3.8	79.1	.85	84.2	83.0	„	0.2		None.	None.	None.	None.
1 p.m.	.598	.701	85.6	79.0	6.6	76.5	.75	85.2	83.4	„	⅛ to 1					
2 „	.580	.613	87.0	81.0	6.0	78.9	.78	86.2	83.6	„	0.1					
3 „	.574	.683	86.2	79.0	7.2	76.3	.73	86.4	83.6	„	⅛ to 3¼					
4 „	.573	.658	84.0	79.0	5.0	77.2	.81	85.6	83.5	„	⅛ to 1½					
5 „	.577	.655	83.2	79.0	4.2	77.4	.83	84.0	83.4	WSW	⅛ to 1¾					
6 „	.588	.691	81.8	78.0	3.8	76.5	.85	82.4	83.3	W b S	⅛ to 2	0.02				
7 „	.606	.711	82.0	78.0	4.0	76.5	.84	82.2	83.2	WSW	⅛ to 1¾					
8 „	.617	.720	81.8	78.0	3.8	76.5	.85	82.0	83.2	„	⅛ to 2¼					
9 „	.629	.732	81.8	78.0	3.8	76.5	.85	82.0	83.2	„	⅛ to 1¾					
10 „	.635	.729	81.0	78.0	3.0	76.8	.88	81.2	83.1	„	⅛ to 1¾	0.07				
11 „	.631	.725	81.0	78.0	3.0	76.8	.88	81.0	83.0	„	¼ to 1¼					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
8	N	Densely clouded with ∿, moving E.	
8	D	" " " "	
8	D	Overcast; light rain at 2h. 3m. which lasted 7m.	
8	D	Overcast with ∿, moving E.	
8	D	Overcast; light rain at 4h. 19m.	
7	L	∿ around hor.; ∿ and ∿ scattered throughout.	
7	L	∿ and ∿ scattered about; light rain at 6h. 34m.	
8	L	Overcast in two strata with ∿, moving E.	
8	L	Densely clouded with ∿, ∿, and ∿; rain, with gusts of wind, at 8h. 35m.	
8	N	Clouded with ∿, ∿, and ∿ as before.	
8	N	Overcast in two strata with ∿, moving E; a lunar-halo.	
8	N	" " " " " "	
8	N	Overcast with ∿ in two strata, the lower stratum moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 86°0. Daily fall of rain by Osler's Gauge 0.22 in. On the 18th fresh breezes, with occasional strong gusts of Wind, Maximum Pressure 4 lbs.
8	D	Overcast; light rain at 1h. 40m. which lasted 12m.	
8	D	Overcast with ∿, moving NE.	
8	D	" " "	
8	D	Overcast; light rain at 4h. 3m. which lasted 10m.	
8	L	Overcast in two strata with ∿, moving E.	
8	L	Overcast; light rain at full hour which lasted 12m.	
8	L	Overcast in two strata with ∿ and ∿, the former moving E.	
8	L	Overcast with ∿, moving E.	
8	N	" " "	
8	N	Overcast; light rain at 10h. 15m.	
8	N	Overcast with ∿ and ∿, the former moving E.	
8	N	" " " " " "	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	" " " " " "	
8	L	" " " " " "	
8	L	" " " " " "	
8	L	Overcast with ∿, moving NE; light rain at 7h. 10m.	
8	L	Overcast with ∿, moving NE.	
8	N	" " "	
8	N	Overcast; light rain at 10h. 54m.	
8	N	Overcast in two strata with ∿, moving E.	
8	N	Overcast; light rain at 28m. which lasted 6m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 86°0. Daily fall of rain by Osler's Gauge 0.28 in. On the 19th high Wind blowing, Maximum Pressure 4¾ lbs.
8	D	Overcast; light rain at 1h. 25m.	
8	D	Overcast; light rain at 2h. 7m.	
8	D	Overcast; light rain at 3h. 1m. which lasted 9m.	
8	D	Overcast with ∿, moving E.	
8	L	Densely clouded with ∿; a few patches of ∿ about zth.	
8	L	Overcast; light rain with smart gusts of wind at 6h. 10m. until 6h. 43m.	
8	L	Overcast; rain commenced at 7h. 57m.	
8	L	Overcast; raining.	
8	N	Overcast with ∿, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	D	" " "	
8	D	" " "	
7	D	Densely clouded with ∿ and ∿; light rain at 3h. 12m. which lasted 3m.	
8	D	Overcast in two strata with ∿, moving ENE.	
8	D	Overcast; light rain at 5h. 12m. which lasted 5m.	
8	D	Overcast with ∿, moving ENE.	
8	D	" " " "	
8	D	∿ around hor.; otherwise clouded with ∿; a few stars dimly visible about zth.	
8	D	Overcast with ∿, moving NE; light rain at 9h. 18m. which lasted 3m.	
8	D	Overcast; light rain at 10h. 19m. which lasted 2m.	
8	D	Overcast with ∿, moving NE.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 21st-Midnight	29.622	28.690	81°0	78°6	2°4	77°7	0.90	81°6	83°0	W	0.8	0.03				
1 a. m.	.605	.701	81.2	78.0	3.2	76.8	.87	81.8	83.0	W b N	0.2					
2 „	.598	.692	81.0	78.0	3.0	76.8	.88	81.4	82.9	„	½ to 3					
3 „	.693	.680	80.4	78.0	2.4	77.1	.90	81.0	82.9	WNW	½ to 1¾					
4 „	.592	.686	81.0	78.0	3.0	76.8	.88	81.2	82.9	„	½ to 1½					
5 „	.597	.695	81.4	78.0	3.4	76.7	.86	81.4	82.9	W b N	½ to 1½					
6 „	.609	.715	81.3	77.8	3.5	76.4	.86	81.4	82.9	W	½ to 2					
7 „	.623	.712	82.0	78.4	3.6	77.0	.86	82.2	83.0	„	½ to 3½					
8 „	.630	.670	83.7	80.0	3.7	78.7	.85	83.8	83.1	„	¾ to 1½					
9 „	.641	.695	85.0	80.0	5.0	78.2	.81	84.4	83.4	W b S	1 to 2					
10 „	.642	.713	84.2	79.4	4.8	77.6	.81	84.0	83.4	„	0.4					
11 „	.634	.660	84.6	80.2	4.4	79.1	.83	84.5	83.4	W	¾ to 2¾					
Noon.	.626	.680	86.6	80.4	6.2	78.2	.77	86.2	83.7	„	0.3		None.	None.	None.	None.
1 p. m.	.612	.681	86.4	80.0	6.4	77.7	.76	86.2	83.8	„	0.1					
2 „	.603	.672	86.4	80.0	6.4	77.7	.76	86.3	84.0	W b N	½ to 2					
3 „	.597	.649	85.6	80.2	5.4	78.3	.80	85.2	84.0	W b S	0.6					
4 „	.600	.678	83.4	79.0	4.4	77.4	.83	83.4	83.8	W b N	0.8					
5 „	.604	.680	83.9	79.2	4.7	77.5	.82	83.7	83.9	„	0.8					
6 „	.621	.703	83.0	78.8	4.2	77.3	.83	83.2	83.8	W b S	0.7					
7 „	.633	.735	82.5	78.2	4.3	76.6	.83	82.8	83.7	„	½ to 1					
8 „	.641	.742	82.4	78.2	4.2	76.6	.83	82.6	83.6	„	½ to 2					
9 „	.643	.708	82.2	79.0	3.2	77.8	.87	82.4	83.5	„	½ to 1½					
10 „	.653	.724	82.2	78.6	3.6	77.6	.86	82.3	83.5	„	½ to 1¾					
11 „	.642	.702	82.0	78.8	3.2	78.0	.87	82.2	83.5	„	0.8					
July 22nd-Midnight	.633	.696	82.0	79.0	3.0	77.9	.88	82.2	83.5	W b S	½ to 1¼					
1 a. m.	.621	.721	81.5	78.0	3.5	76.6	.86	81.7	83.4	WSW	½ to 1					
2 „	.608	.706	81.4	78.0	3.4	76.7	.87	81.5	83.3	W b S	½ to 1¼					
3 „	.604	.702	81.4	78.0	3.4	76.7	.87	81.6	83.3	„	0.2					
4 „	.606	.704	81.4	78.0	3.4	76.7	.87	81.8	83.3	„	0.3					
5 „	.614	.704	81.4	78.2	3.2	77.0	.87	81.7	83.2	„	1.0					
6 „	.624	.702	81.5	78.5	3.0	77.4	.88	81.7	83.2	„	0.5					
7 „	.632	.692	81.7	79.0	2.7	78.0	.89	82.1	83.1	„	0.4					
8 „	.647	.717	82.6	79.0	3.6	77.7	.86	82.8	83.3	„	½ to 1½					
9 „	.652	.689	83.5	80.0	3.5	78.8	.86	84.0	83.3	„	0 to 1¼					
10 „	.650	.700	85.4	80.2	5.2	78.3	.80	85.2	83.5	W	½ to 1½					
11 „	.643	.699	85.2	80.0	5.2	78.1	.80	85.6	83.6	W b S	¼ to 1¼		None.	None.	None.	None.
Noon.	.647	.718	86.6	80.0	6.6	77.6	.76	86.2	83.9	„	0.2					
1 p. m.	.631	.709	87.2	80.0	7.2	77.4	.73	87.4	84.2	W	0.2					
2 „	.618	.676	85.4	80.0	5.4	78.1	.79	86.4	84.3	„	1 to 3					
3 „	.608	.659	84.7	80.0	4.7	78.3	.82	84.4	84.4	„	1 to 2					
4 „	.603	.688	84.0	79.0	5.0	77.2	.81	84.0	84.1	W b N	1½ to 3					
5 „	.601	.679	83.4	79.0	4.4	77.4	.83	83.6	83.9	W	1½ to 3					
6 „	.618	.731	82.7	78.0	4.7	76.2	.82	83.0	83.8	„	1 to 2					
7 „	.629	.738	82.4	78.0	4.4	76.3	.83	82.7	83.7	„	½ to 3¾					
8 „	.632	.735	81.8	78.0	3.8	76.5	.85	82.2	83.6	„	1 to 2¼					
9 „	.634	.739	82.0	78.0	4.0	76.5	.84	82.2	83.5	W b N	½ to 3					
10 „	.648	.751	81.8	78.0	3.8	76.5	.85	82.2	83.5	„	1 to 2¼					
11 „	.645	.737	81.6	78.2	3.4	76.9	.87	82.2	83.5	„	½ to 2¾					
July 23rd-Midnight	.635	.727	81.6	78.2	3.4	76.9	.87	82.2	83.5	W b N	½ to 2¼					
1 a. m.	.622	.723	81.6	78.0	3.6	76.6	.86	81.6	83.4	W	½ to 1½					
2 „	.606	.704	81.4	78.0	3.4	76.7	.86	81.4	83.3	W b N	½ to 2					
3 „	.594	.690	81.2	78.0	3.2	76.8	.87	81.6	83.2	W	½ to 2½					
4 „	.590	.688	81.4	78.0	3.4	76.7	.86	81.8	83.2	„	½ to 3					
5 „	.591	.705	81.5	77.6	3.9	76.1	.84	82.0	83.3	W b N	½ to 2½		None.	None.	None.	None.
6 „	.606	.704	81.4	78.0	3.4	76.7	.86	81.7	83.1	„	¼ to 2¼					
7 „	.620	.700	81.2	78.4	2.8	77.3	.89	81.7	83.0	„	1 to 3					
8 „	.632	.709	81.8	78.6	3.2	77.4	.87	82.2	83.1	W	½ to 2¾					
9 „	.636	.686	81.8	79.0	1.8	78.3	.93	82.0	83.0	„	½ to 2¼					
10 „	.636	.707	82.0	78.8	3.2	77.6	.87	82.4	83.1	„	¾ to 2½					
11 „	.633	.711	83.4	79.0	4.4	77.4	.83	84.0	83.4	W b N	1 to 3¼					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ni cirri; Ci cirro-cumuli; Ci cumuli; Li cirro-strati; Ci cumulo-strati; and Li nimbi.	
8	N	Overcast with Li, moving E; a shower of rain about 6m. before observation.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. Daily fall of rain by Osler's Gauge 00.3 in. The force of Wind was greater than 1.0 lb.
8	D	Overcast; light rain at 1h. 16m. which lasted 2m.	
8	D	Overcast with Li, moving E.	
8	D	" " "	
8	D	" " "	
8	L	" " "	
8	L	Overcast in two strata with Li, moving ENE.	
8	L	Ci about zth.; Li scattered about, moving E.	
8	L	Li around hor. and in zth.; Ci and Ni scattered about.	
8	N	Overcast with Li, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	D	" " "	
8	D	" " "	
8	L	Overcast; light rain at 3h. 15m. which lasted 7m.	
8	L	Overcast in two strata with Li, moving E.	
8	L	" " " " "	
8	L	" " " " "	
8	L	" " " " "	
8	L	" " " " "	
8	N	Overcast with Li, moving E.	
8	N	" " " "	
8	N	" " " "	
8	N	Overcast in two strata with Li, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. The force of Wind was greater than 1.0 lb. The Range of Barometer was 0.051, the lowest during the month; the Range of Wet Bulb Thermometer was 2°2, the lowest during the month.
8	D	Overcast in two strata with Li, moving NE.	
8	D	" " " " "	
8	D	Overcast; light rain at 3h. 19m. which lasted 2m.	
8	D	Overcast with Li, moving E.	
8	L	" " "	
8	L	" " "	
8	L	" " "	
8	L	" " "	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	D	Li around hor.; otherwise clouded with Ci and Ni.	
8	D	Overcast with Li, moving NE.	
8	D	Overcast in two strata with Li, moving NE.	
8	D	" " " " "	
8	L	Overcast in two strata with Li, moving E.	
8	L	" " " " "	
8	L	Overcast; a few drops of rain at 7h. 38m.; gusts of wind.	
8	L	Overcast; smart breezes of wind.	
8	N	Overcast with Li, moving E.	
8	N	Overcast; drops of rain falling at the time of observation.	
8	N	Overcast with Li, moving E.	
8	N	Overcast with Li, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. Daily fall of rain by Osler's Gauge 0.30 in. On the 23rd, at 2 P. M., Air and Ground Thermometers fell 5°4 and 5°2 respectively in one hour. The force of Wind was greater than 1.0 lb.
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	Overcast; drops of rain falling at the time of observation.	
8	L	Overcast with Li, moving E.	
8	L	Overcast; light drizzling rain.	
8	L	Overcast with Li, moving E.	
8	L	Overcast; light rain at 8h. 25m. which lasted 10m.	
8	N	Overcast with Li, moving E.	
8	N	" " "	
8	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 23rd-Noon.	29.622	28.686	85°2	79°8	5°4	77°9	0.79	85°0	83°5	W	1 to 2½					
1 p. m.	.608	.697	84.4	79.0	5.4	77.0	.79	84.4	83.4	W b S	½ to 3½					
2 „	.598	.710	79.0	77.0	2.0	76.2	.92	79.2	83.1	W b N	½ to 6½	0.15				
3 „	.586	.687	81.6	78.0	3.6	76.6	.85	82.4	83.2	W	0.2	0·01				
4 „	.580	.636	81.4	79.0	2.4	78.1	.90	82.0	83.0	„	0.3					
5 „	.580	.678	80.6	77.8	2.8	76.7	.89	80.7	83.0	W b N	1 to 3½	0.01				
6 „	.589	.678	79.8	77.8	2.0	77.0	.92	80.6	82.8	WNW	½ to 2½	0.03	None.	None.	None.	None.
7 „	.591	.712	79.8	77.0	2.8	75.9	.88	80.6	82.7	W	½ to 3					
8 „	.610	.713	78.2	77.0	1.2	76.5	.95	79.5	82.5	W b S	½ to 2¾	0.07				
9 „	.610	.726	78.6	76.8	1.8	76.1	.92	79.8	82.5	„	0.5					
10 „	.611	.714	79.0	77.2	1.8	76.5	.92	80.0	82.5	WSW	1.0					
11 „	.612	.715	78.2	77.0	1.2	76.5	.95	78.6	82.3	W b S	¼ to 0¾	0.02				
July 24th-Midnight	.593	.705	77.6	76.6	1.0	76.2	.96	78.3	82.0	W b S	0 to 2¼	0.07				
1 a. m.	.567	.696	77.0	76.0	1.0	75.6	.96	78.2	82.0	W	0 to 3¾	0.19				
2 „	.554	.644	77.0	77.0	0.0	77.0	1.00	78.2	81.9	„	¼ to 2½	0.12				
3 „	.558	.691	77.4	76.0	1.4	75.5	.94	78·0	81.8	W b S	½ to 7	0.09				
4 „	.552	.681	77.0	76.0	1.0	75.6	.96	78.2	81.6	„	1 to 7	0.31				
5 „	.557	.679	76.4	76.0	0.4	75.9	.98	76·4	81.1	NW	1 to 3	0.45				
6 „	.574	.651	77.3	77.5	0.2	77.4	.99	78.0	81.3	W	½ to 3	0.24				
7 „	.591	.647	79.0	78.4	0.6	78.1	.97	79.5	81.5	„	0.3	0.04				
8 „	.602	.786	76.8	74.5	2.3	73.6	.90	76.8	81.2	„	½ to 1½	0.03				
9 „	.610	.745	76.8	75.8	1.0	75.4	.96	76.4	81·0	„	1 to 4¼	0.30				
10 „	.619	.696	78.3	77.7	0.6	77.4	.97	79.2	81.2	W b N	1 to 5¾	0.04				
11 „	.621	.715	77.4	77.0	0.4	76.8	.98	78.2	81.0	NW b W	2 to 6	0.30	None.	None.	None.	None.
Noon.	.603	.690	78.2	77.4	0.8	77.1	.97	79.3	81.1	W b N	¾ to 3½	0.06				
1 p. m.	.592	.744	77.0	75.4	1.6	74.8	.93	77.6	80.8	WNW	½ to 4¼	0.03				
2 „	.581	.716	77.5	76.0	1.5	75.4	.94	78.0	80.9	W b N	½ to 3¾	0.07				
3 „	.573	.685	79.0	77.0	2.0	76.2	.92	80.0	81.1	W b S	0 to 3¼	0.06				
4 „	.569	.670	78.0	77.0	1.0	76.6	.96	79.4	81.0	WSW	¾ to 3	0.16				
5 „	.577	.666	79.8	77.8	2.0	77.0	.92	80.2	81.3	W b S	0.6	0.01				
6 „	.580	.665	80.2	78.0	2.2	77.2	.91	80.8	81.5	WSW	0.7					
7 „	.598	.680	79.2	77.4	1.4	77.3	.94	80.0	81.4	W b S	½ to 2½	0.01				
8 „	.624	.818	78.0	74.6	3.4	73.2	.86	77.7	81.3	„	¼ to 4½					
9 „	.636	.776	76.6	75.6	1.0	75.2	.96	77.0	81.0	WSW	¼ to 2¼	0.18				
10 „	.638	.736	77.0	76.8	0.2	76.8	.99	78.0	80.8	„	0.5	0.02				
11 „	.638	.758	76.6	76.0	0.6	75.8	.97	77.8	80.8	„	0 to 1¼	0.02				
July 25th-Midnight	.627	.865	76.5	73.0	3.5	71.4	.85	76.2	80.7	W	¼ to 1½	0.05				
1 a. m.	.608	.746	77.8	76.0	1.8	75.3	.92	78.4	80.6	W b N	0.1	0.03				
2 „	.603	.771	77.0	75.0	2.0	74.2	.91	78.8	80.6	W b S	0.0	0.15				
3 „	.601	.769	77.0	75.0	2.0	74.2	.91	78.4	80·6	WSW	0.1					
4 „	.602	.742	78.0	76.0	2.0	75.2	.92	79.2	80.6	„	0.1					
5 „	.616	.720	79.0	77.2	1.8	76.5	.92	80.0	80.8	„	0.5					
6 „	.634	.746	79.0	77.0	2.0	76.2	.92	79.6	81.0	„	0.6	0.01				
7 „	.652	.707	79.4	78.5	0.9	78.2	.96	80.2	81.0	„	0.3	0.05				
8 „	.679	.797	78.8	76.8	2.0	76.0	.92	79.0	81.0	SW b W	0.4	0.06				
9 „	.690	.794	79.8	77.4	2.4	76.5	.90	80.3	81.0	SW	¼ to 1¾	0.02				
10 „	.698	.754	82.5	79.3	3.2	78.1	.87	83.0	81.4	„	0.3					
11 „	.703	.822	78.2	76.6	1.6	76.0	.93	78.8	81.1	„	¾ to 4¾	0·21	None.	None.	None.	None.
Noon.	.690	.723	80.8	79.4	1.4	78.9	.94	82.0	81.2	W b S	0.4	0.02				
1 p. m.	.683	.728	80.4	79.0	1.4	78.5	.94	81.5	81.3	WSW	0.1	0.10				
2 „	.673	.731	81.5	79.0	2.5	78.1	.90	82.2	81.4	„	0.1	0.06				
3 „	.666	.718	81.0	79.0	2.0	78.3	.92	82.0	81.5	„	0 to 1¾	0.03				
4 „	.658	.725	82.4	79.0	3.4	77.8	.86	83.2	81.9	„	0.2					
5 „	.667	.753	81.0	78.2	2.8	77.1	.89	81.2	81.8	W b S	0·2					
6 „	.670	.768	80.6	77.8	2.8	76.7	.89	81.0	81.7	WSW	0 to 1¼	0.06				
7 „	.679	.783	79.0	77.2	1.8	76.5	.92	80.0	81.6	„	0.2	0.03				
8 „	.695	.796	78.0	77.0	1.0	76.6	.96	79.0	81.5	„	0.1	0.13				
9 „	.705	.804	79.2	77.4	1.8	76.7	.92	80.0	81.5	SW b W	0.2					
10 „	.716	.801	79.4	77.8	1.6	77.2	.93	80.2	81.5	„	0.1					
11 „	.706	.782	79.4	78.0	1.4	77.5	.94	80.2	81.5	SW	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	N	Overcast with ≈, moving E.	
8	D	Overcast; rain commenced at 1h. 43m.; squally wind.	
8	D	Overcast; light rain.	
8	D	Overcast with ≈, moving ENE.	
8	D	Overcast; light rain at 4h. 3m. which lasted 7m.	
8	L	Overcast; raining lightly.	
8	L	" " "	
8	L	Overcast; rain at 7h. 18m. which lasted 4m.	
8	L	Overcast; raining lightly.	
8	N	" " "	
8	N	" " "	
8	N	Overcast; raining.	
8	N	Overcast; raining lightly.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. Daily fall of rain by Osler's Gauge 2.77 in. On the 24th, at 2 A. M., Atmospheric Air was fully saturated. High winds blowing, Maximum Pressure being 7.0 lbs. The range of Temperature of Free Air was 3.8, the lowest during the month. At 8 P. M. the Wet Bulb Thermometer was 74.6, the lowest during the month, being about 4°3 lower than the Normal Mean.
8	D	" " "	
8	D	" " "	
8	D	Overcast; raining; squally wind after 3h. 24m.	
8	D	Overcast; raining; smart gusts of wind.	
8	D	Overcast; raining.	
8	L	" "	
8	L	" "	
8	L	" "	
8	N	Overcast; raining; smart gusts of wind.	
8	N	" " " " "	
8	N	Overcast; rain ceased at 11h. 10m.	
8	N	Overcast; drizzling rain.	
8	N	Overcast; raining.	
8	D	" "	
8	D	Overcast; raining; gust of wind at 3h. 19m.	
8	D	Overcast; light rain at 4h. 21m.	
8	L	Overcast with ≈, moving E. [which lasted 5m.	
8	L	≈ and ≈ scattered throughout, the former moving E; light rain at 6h. 35m.	
8	L	Overcast in two strata with ≈, moving E.	
8	L	Overcast; smart gusts of wind accompanied with rain.	
8	N	Overcast; raining.	
8	N	Overcast; light rain at 10h. 30m.	
8	N	Overcast; light rain at 11h. 57m.	
8	D	Overcast with ≈; rain commenced at full hour which lasted 23m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. Daily fall of rain by Osler's Gauge 0.99 in. On the 25th, at 11 A. M., the Temperature of Air and the Temperature in contact with the surface of the ground fell 4°3 and 4°2 respectively in one hour, and for the next hour both of them rose about 2½°. At the same hour the Temperature of Evaporation fell 2°7, and rose as much for the next hour. At 11 A. M. the pressure of Wind was 4¾ lbs., being the Maximum Pressure in the day. At 10 P. M. the Standard Barometer was 29.716, being about 0.048 higher than the Normal Mean.
8	D	Overcast; passing showers of rain.	
8	D	Overcast with ≈.	
8	D	" "	
8	D	" "	
8	L	≈ scattered throughout, except in SE clouded with ≈; light rain at full hour.	
8	L	Overcast with ≈, moving E; light rain at 6h. 18m. [which lasted 4m.	
7	L	≈ scattered throughout; a few patches of ≈ NE of zth.; light rain at 7h. 48m.	
8	L	Overcast with ≈, moving E; light rain at 8h. 10m. which lasted 10m.	
8	N	Overcast with ≈, moving E.	
8	N	Overcast; light rain at 10h. 45m.	
8	N	Overcast; drizzling rain.	
8	N	Overcast with ≈, moving E.	
8	D	Overcast; rain commenced at full hour which ceased at 1h. 37m.	
8	D	Overcast; light rain at 2h. 38m. which lasted 5m.	
8	D	Overcast with ≈, moving E.	
8	D	≈ around hor.; ≈ and ≈ scattered throughout. [showers of rain.	
7	L	Densely clouded with ≈; a few patches of ≈ and ≈ scattered about hor.; passing	
8	L	≈ scattered about, except in zth. clouded with ≈ and ≈; light rain at 6h. 25m.	
3	L	≈ around hor. and a few ≈ above E and SE hor.; clouded at 7h. 22m., with a	
2	L	≈ scattered around hor. and in zth. [little rain.	
1	N	Clear, except in hor.	
6	N	≈ scattered about, moving E.	
6	N	" " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 26th-Midnight	29.688	28.792	79°0	77°2	1°8	76°5	0.92	80°0	81°4	SW	0.1					
1 a. m.	.670	.780	78.8	77.0	1.8	76.3	.93	79.8	81.3	SW b W	0.0					
2 „	.650	.752	79.0	77.0	2.0	76.2	.92	80.0	81.3	WSW	0.0					
3 „	.641	.785	78.4	76.0	2.4	75.1	.90	78.6	81.3	W	0.0	0.01				
4 „	.647	.787	78.0	76.0	2.0	75.3	.92	78.2	81.2	WSW	0.2	0.14				
5 „	.651	.765	77.8	76.6	1.2	76.1	.95	78.8	81.1	„	0.3	0.06				
6 „	.668	.784	78.0	76.6	1.4	76.1	.94	78.4	81.0	W b S	½ to 1½	0.04				
7 „	.680	.790	77.4	76.6	0.8	76.3	.97	78.2	81.0	WSW	½ to 3¼	0.03				
8 „	.692	.721	80.4	79.4	1.0	79.0	.96	81.5	81.2	„	0.2					
9 „	.690	.723	80.0	79.2	0.8	78.9	.97	81.2	81.1	W b S	0.2	0.05				
10 „	.691	.728	80.4	79.2	1.2	78.8	.95	81.2	81.4	WSW	½ to 2½	0.01				
11 „	.692	.773	79.8	78.0	1.8	77.3	.92	80.2	81.5	„	½ to 2¾	0.08				
Noon.	.680	.807	79.6	76.8	2.8	75.7	.88	79.0	82.4	„	1 to 3½	0.10				
1 p. m.	.664	.761	77.6	77.0	0.6	76.7	.98	78.4	81.2	W	½ to 3¼	0.20	Neg.	Out of Sc.	0.80	0.02
2 „	.645	.728	80.0	78.0	2.0	77.2	.92	81.0	81.3	„	0.1	0.19				
3 „	.618	.635	81.6	80.0	1.6	79.4	.93	82.2	81.4	W b S	1 to 2½					
4 „	.605	.661	81.4	79.0	2.4	78.1	.90	81.8	81.6	„	0.1	0.04				
5 „	.613	.674	81.8	79.0	2.8	78.0	.89	82.2	81.8	W	0.2	0.01				
6 „	.622	.713	80.7	78.0	2.7	76.9	.89	81.8	81.7	W b S	1 to 1½					
7 „	.632	.715	80.0	78.0	2.0	77.2	.92	80.5	81.7	WSW	1 to 1					
8 „	.638	.683	80.4	79.0	1.4	78.5	.94	81.0	81.7	„	0.2					
9 „	.647	.708	80.3	78.6	1.7	78.0	.93	81.0	81.7	„	0.2					
10 „	.651	.713	80.4	78.6	1.8	77.9	.92	81.0	81.7	W b S	0.4					
11 „	.642	.719	80.2	78.2	2.0	77.4	.92	80.9	81.7	„	0.5					
July 28th-Midnight	.560	.667	79.7	77.3	2.4	76.4	.90	80.3	81.4	WSW	½ to 1¼					
1 a. m.	.555	.695	78.0	76.0	2.0	75.2	.92	80.4	81.3	W b S	¼ to 3¾	0.02				
2 „	.548	.681	77.4	76.0	1.4	75.5	.94	79.2	81.3	WSW	1 to 2½	0.04				
3 „	.527	.667	78.0	76.0	2.0	75.2	.92	79.8	81.2	„	1 to 5½	0.10	Neg.	0.10		0.10
4 „	.532	.629	77.6	77.0	0.6	76.7	.98	78.4	81.1	SW b W	2 to 7	0.04				
5 „	.537	.649	79.0	77.0	2.0	76.2	.92	79.4	81.1	W b S	1⅜ to 3⅜					
6 „	.569	.672	79.3	77.3	2.0	76.5	.92	79.8	81.1	WSW	2 to 3½	0.01				
7 „	.585	.678	79.1	77.5	1.6	76.9	.93	79.8	81.1	SW b W	2 to 3¼					
8 „	.604	.632	79.5	78.0	1.5	77.4	.94	80.2	81.2	„	0.4					
9 „	.612	.682	79.6	78.2	1.4	77.7	.94	80.6	81.1	„	1.2					
10 „	.620	.705	80.2	78.0	2.2	77.2	.91	81.2	81.2	„	1 to 5					
11 „	.618	.712	81.0	78.0	3.0	76.8	.88	82.0	81.4	„	1 to 3½					
Noon.	.611	.681	79.6	78.2	1.4	77.7	.94	80.4	81.3	„	1 to 4½	0.05			None.	
1 p. m.	.595	.664	82.5	79.0	1.5	77.7	.85	83.4	81.6	WNW	0.1					
2 „	.584	.658	83.0	79.0	4.0	77.5	.84	83.7	81.7	W	0.4					
3 „	.572	.679	82.2	78.0	4.2	76.4	.83	82.4	82.1	„	½ to 1½					
4 „	.562	.674	79.0	77.0	2.0	76.1	.92	79.6	81.7	„	½ to 3	0.19				
5 „	.575	.682	77.8	76.8	1.0	76.4	.96	78.8	81.4	WNW	½ to 3½	0.19				
6 „	.586	.652	79.2	78.2	1.0	77.8	.96	80.0	81.5	W b S	½ to 2	0.14				
7 „	.600	.705	77.6	76.8	0.8	76.5	.97	78.7	81.4	„	¼ to 3½	0.01				
8 „	.616	.715	77.8	77.0	0.8	76.7	.97	78.2	81.4	W b N	½ to 2¾	0.13				
9 „	.639	.710	78.2	77.8	0.4	77.7	.98	79.2	81.2	W	½ to 2¾					
10 „	.652	.760	78.6	77.0	1.6	75.6	.92	79.0	81.1	W b N	¼ to 2¾					
11 „	.641	.706	78.4	78.0	0.4	77.8	.98	79.4	81.0	W	¼ to 3½	0.07				
July 29th-Midnight	.632	.673	79.0	78.0	1.0	78.0	0.96	80.0	81.1	W	0.4					
1 a. m.	.625	.637	79.0	77.0	2.0	76.2	.92	79.6	81.0	„	0.0					
2 „	.611	.723	79.0	77.0	2.0	76.2	.92	78.8	81.0	W b N	0.1					
3 „	.605	.719	79.2	77.0	2.2	76.1	.91	79.5	81.0	W	0.2					
4 „	.610	.728	79.5	77.0	2.5	76.0	.90	79.8	80.9	„	0.3					
5 „	.613	.725	79.6	76.6	1.0	76.2	.96	78.8	81.0	WNW	½ to 2½	0.28	None.	None.	None.	None.
6 „	.635	.719	78.2	77.2	1.0	77.2	.96	79.2	81.0	„	½ to 1½					
7 „	.646	.739	78.0	77.2	0.8	76.9	.97	79.2	80.9	„	0.2	0.08				
8 „	.675	.770	77.8	77.1	0.7	76.8	.97	78.3	80.8	NW b W	0.3	0.16				
9 „	.686	.718	79.2	79.0	0.2	78.9	.99	80.2	80.8	WNW	0.2	0.05				
10 „	.688	.716	82.6	80.0	2.6	79.1	.90	83.0	81.3	W b S	0.3					
11 „	.685	.724	84.4	80.2	4.2	78.7	.84	84.2	81.6	W	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	Remarks.
5	N	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 85°9. Daily fall of rain by Osler's Gauge 0.88 in. Maximum Tension of Electricity by Henly's Apparatus was 5.0 Scale Division. Maximum length of Sparks by Ronald's Measure 0.06 in.
4	D	≀≀ scattered about, except in zth.	
6	D	≀≀ scattered throughout, moving NE; light rain at 2h. 40m. which lasted 5m.	
4	D	≀≀ scattered about hor., moving E; light passing showers of rain.	
8	D	Overcast with ≀≀; light rain.	
8	L	Overcast; rain commenced at 5h. 42m.	
8	L	Overcast; rain ceased at 6h. 10m.; a passing shower of rain at 6h. 48m.	
8	L	Overcast; light rain at 7h. 30m.	
8	L	≀≀ around hor.; otherwise clouded with ≀.	
8	N	Overcast with ≀≀, moving E; light rain at 9h. 45m.	
8	N	Overcast with ≀≀, moving E.	
8	N	Overcast; raining.	
8	N	" "	
8	D	Overcast; rain ceased at 1h. 49m.	
8	D	Overcast with ≀≀, moving E.	
8	D	≀≀ around hor.; otherwise clouded with ≀ and ≀≀; light rain at 3h. 18m.	
8	D	Overcast with ≀≀, moving E; a passing shower of rain at 4h. 45m.	
7	L	≀≀ scattered about hor.; ≀≀ about zth.; ≀ above SE hor.	
8	L	Overcast with ≀≀ and ≀≀ in two strata, the lower stratum moving E.	
8	L	" " " " " " "	
6	L	≀≀ scattered about, moving E.	
3	L	≀≀ around hor.	
3	L	" "	
4	L	" "	
8	N	Overcast with ≀≀, moving E; strong gusts of wind.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°8. Daily fall of rain by Osler's Gauge 0.92 in. The Range of Barometer was 0.125, the highest during the month. At 3 A. M. the height of Barometer was 29.527, which was 0.092 lower than the Normal Mean.
8	D	Overcast; rain commenced at 1h. 34m. which lasted 14m.	
8	D	Overcast; smart gusts of wind accompanied with rain.	
8	D	" " " " " "	
8	D	" " " " " "	
8	L	" " " " " "	
8	L	Overcast in two strata with ≀≀, moving E.	
8	L	" " " " "	
8	L	" " " " "	
8	N	" " " " "	
8	N	" " " " "	
8	N	Overcast; a passing shower of rain at 11h. 30m.	
8	N	Overcast with ≀≀, moving E.	
8	D	" " "	
8	D	" " "	
8	D	Overcast; light rain at 3h. 10m.	
8	D	Overcast; light rain at 4h. 19m.	
8	L	Overcast; rain commenced at 5h. 30m. which lasted 10m.	
8	L	Overcast; rain commenced at 6h. 48m. which lasted 7m.	
8	L	Overcast; rain commenced at 7h. 42m. which lasted 5m.	
8	L	Overcast with ≀≀, moving E.	
8	N	" " "	
8	N	Overcast; rain commenced at 10h. 10m. which lasted 10m.	
5	N	≀≀ scattered about, moving E.	
4	N	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°7. Daily fall of rain by Osler's Gauge 0.83 in. On the 29th occasional squalls of Wind, Maximum Pressure 2.5 lbs.
8	D	Overcast.	
8	D	"	
8	D	Overcast with ≀≀; light rain at 3h. 16m.	
8	D	Overcast with ≀≀; light rain at 4h. 14m.	
8	L	Overcast with ≀≀, moving E.	
8	L	Overcast; rain commenced at 6h. 6m. which lasted 12m. [lasted 10m.	
8	L	≀≀ and ≀≀ scattered about, the former moving E; rain at 7h. 40m. which	
8	L	Overcast in two strata with ≀≀, moving E; light rain at 8h. 7m. for 10m.	
8	N	Densely clouded with ≀≀, moving E.	
6	N	" " " "	
6	N	" " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
July 29th–Noon.	29.678	28.731	84°2	79°8	4°4	78°2	0.83	84°2	81°9	W	0.2					
1 p. m.	.666	.731	86.0	80.0	6.0	77.8	.77	85.4	82.0	WSW	0.1					
2 „	.658	.765	82.2	78.0	4.2	76.4	.84	82.4	82.0	W	0.1	0.03				
3 „	.639	.733	81.0	78.0	3.0	76.8	.88	82.0	82.1	W b N	0 to 2	0.05				
4 „	.634	.746	82.6	78.0	4.6	76.2	.82	83.2	82.1	W b S	0.2					
5 „	.626	.719	80.9	78.0	2.9	76.9	.88	81.4	82.0	„	0.4	0.03				
6 „	.639	.789	78.9	76.0	2.9	74.7	.88	79.7	81.8	WSW	½ to 2		None.	None.	None.	None.
7 „	.660	.753	79.4	77.6	1.8	76.9	.92	80.6	81.7	SW	0.2					
8 „	.680	.761	79.8	78.0	1.8	77.3	.93	80.4	81.7	WSW	0.3					
9 „	.691	.778	79.6	77.8	1.8	77.1	.93	80.2	81.6	„	0.3					
10 „	.695	.791	77.8	76.8	1.0	76.8	.96	78.8	81.4	„	0.3	0.22				
11 „	.696	.784	78.6	77.2	1.4	77.1	.94	79.8	81.4	„	0.4					
July 30th–Midnight	.683	.776	78.8	77.4	1.4	76.9	.94	80.0	81.4	SW b W	0.2					
1 a. m.	.656	.785	77.0	76.0	1.0	75.6	.96	78.2	82.2	W	0.1	0.08				
2 „	.636	.769	77.4	76.0	1.4	75.5	.94	78.2	81.1	SW	0.1					
3 „	.622	.751	77.0	76.0	1.0	75.6	.96	78.4	81.0	W b S	0.0	0.04				
4 „	.622	.751	77.0	76.0	1.0	75.6	.96	78.2	80.9	WSW	0.2					
5 „	.623	.728	78.4	77.0	1.4	76.5	.94	79.2	81.1	„	0.2					
6 „	.640	.718	77.8	77.5	0.3	77.4	.99	79.0	80.7	„	½ to 2½	0.12				
7 „	.654	.736	79.2	77.8	1.4	77.3	.94	80.2	81.0	„	0.2					
8 „	.657	.730	79.8	78.2	1.6	77.6	.93	80.2	81.0	„	0.3	0.13				
9 „	.672	.793	80.8	77.0	2.8	75.9	.88	80.6	81.1	W	½ to 2	0.03				
10 „	.671	.736	81.4	78.8	2.6	77.8	.89	82.4	81.2	WSW	½ to 3½					
11 „	.665	.756	80.0	77.8	2.2	76.9	.91	81.0	81.2	„	0 to 2	0.03	None.	None.	None.	None.
Noon.	.652	.729	81.8	78.6	3.2	77.4	.87	82.4	81.4	„	0.1					
1 p. m.	.636	.672	83.4	80.0	3.4	78.8	.86	84.0	81.9	„	0.1					
2 „	.619	.660	83.8	80.0	3.8	78.6	.85	84.2	82.0	„	0.1					
3 „	.601	.651	84.6	80.0	4.6	78.3	.82	84.4	82.1	W	0.1					
4 „	.589	.678	84.4	79.0	5.4	77.0	.79	84.2	82.0	„	0.1					
5 „	.593	.677	81.4	78.6	3.8	77.2	.85	82.8	82.1	„	0.2					
6 „	.604	.705	81.6	78.0	3.6	76.6	.86	82.0	82.0	„	0.2	0.03				
7 „	.610	.695	80.2	78.0	2.2	77.2	.91	81.2	81.9	„	0.1	0.08				
8 „	.620	.720	79.8	77.5	2.3	76.6	.91	80.2	81.9	WSW	0.2					
9 „	.630	.711	79.8	78.0	1.8	77.3	.92	80.4	81.7	W b S	0.1					
10 „	.629	.737	79.4	77.2	2.2	76.4	.91	80.2	81.6	WSW	0.1					
11 „	.628	.702	79.2	78.0	1.2	77.5	.95	80.2	81.5	WNW	0.1					
July 31st–Midnight	.614	.693	79.6	78.0	1.6	77.4	.93	80.3	81.5	W	0.1					
1 a. m.	.590	.662	79.0	78.0	1.0	77.6	.96	80.2	81.5	W b S	0.0	0.01				
2 „	.578	.690	79.0	77.0	2.0	76.2	.92	79.4	81.5	W	0.0	0.05				
3 „	.566	.680	79.2	77.0	2.2	76.1	.91	79.8	81.4	„	0.0					
4 „	.568	.682	79.2	77.0	2.2	76.1	.91	80.2	81.4	„	0.1					
5 „	.571	.664	79.4	77.6	1.8	76.9	.92	80.4	81.6	W b N	0.4					
6 „	.591	.678	79.6	77.8	1.8	77.1	.93	80.3	81.5	„	0.2					
7 „	.605	.685	80.1	78.1	2.0	77.3	.92	81.0	81.5	WNW	0.2					
8 „	.618	.674	81.0	78.9	2.1	78.1	.91	82.0	81.6	„	0.2					
9 „	.624	.690	83.0	79.2	3.8	77.8	.85	83.8	81.7	W b N	0.1					
10 „	.624	.648	84.2	80.5	3.7	79.2	.85	84.4	82.2	W	0.2					
11 „	.613	.682	84.0	79.4	4.6	77.7	.83	84.2	82.4	„	0.2					
Noon.	.607	.749	83.2	77.4	5.8	75.1	.77	83.4	82.3	„	0.1		None.	None.	None.	None.
1 p. m.	.593	.634	83.8	80.0	3.8	78.6	.85	83.6	82.4	„	0.1					
2 „	.573	.620	84.4	80.0	4.4	78.4	.83	85.2	82.5	„	0.1					
3 „	.561	.646	84.0	79.0	5.0	77.2	.81	84.2	82.6	W b S	0.1					
4 „	.552	.665	82.7	78.0	4.7	76.2	.81	82.8	82.5	W	0.3					
5 „	.550	.684	81.7	77.2	4.5	76.1	.82	82.2	82.4	W b S	0.2					
6 „	.565	.699	81.0	77.0	4.0	75.4	.84	81.6	82.3	„	0.2					
7 „	.577	.701	80.8	77.2	3.6	75.8	.85	81.6	82.3	„	0.2					
8 „	.585	.727	80.3	76.6	3.7	75.1	.85	80.4	82.2	W	0.2	0.05				
9 „	.599	.707	79.4	77.2	2.2	76.4	.91	80.2	82.1	WSW	0.2					
10 „	.605	.713	78.6	77.0	1.6	76.4	.93	79.8	81.8	W	0.2	0.04				
11 „	.600	.714	79.2	77.0	2.2	76.1	.91	80.2	81.7	W b S	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
7	N	Densely clouded with ≈, moving E.	
8	D	Overcast; light rain at 1h. 19m., which lasted 9m.	
8	D	Overcast; light rain at 2h. 50m., which lasted 8m.	
8	D	Overcast with ≈, moving E.	
8	D	≈ around hor.; otherwise clouded with ≈; a passing shower at 4h. 35m.	
8	L	≈ above the W and NW hor.; otherwise clouded with ≈, moving E.	
8	L	Overcast in two strata with ≈ and ≈, the former moving E.	
8	L	" " " " " " "	
8	L	Overcast; light rain at 8h. 4m.	
8	N	Overcast; light rain at 9h. 16m.	
7	N	Densely clouded with ≈, moving E.	
7	N	" " " "	
8	N	Overcast; light rain at about 6m. after observation.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°7. Daily fall of rain by Osler's Gauge 0.50 in. On the 30th occasional squalls, Maximum Pressure 3½ lbs.
8	D	Overcast with ≈, moving E.	
8	D	Overcast; light rain at 2h. 13m., which lasted 12m.	
8	D	Overcast with ≈, moving E.	
8	D	" " " [and lasted 11m.	
8	L	Overcast with ≈, moving E; a few streaks in E; rain commenced at 5h. 11m.	
8	L	Overcast with ≈ and ≈, the former moving E.	
8	L	Overcast; rain commenced at 7h. 16m. and lasted 6m.	
6	L	≈ scattered about, moving E; a few ≈ in S; light rain at 8h. 19m.	
8	N	Overcast with ≈, moving E.	
8	N	Overcast; passing shower at 10h. 30m.	
8	N	Overcast with ≈, moving E.	
8	N	" " "	
8	D	≈ around hor.; otherwise clouded with ≈; light rain at 1h. 34m.	
8	D	Overcast with ≈, moving E; light rain at 1h. 10m., which lasted 11m.	
6	D	≈ around hor., moving E; ≈ scattered throughout.	
8	D	Overcast with ≈, moving E.	
8	L	" " "	
8	L	Overcast; light rain at 6h. 1m., which lasted 21m.	
8	L	Overcast; passing showers of rain.	
6	L	Densely clouded, except in SE and E.	
7	N	Densely clouded with ≈, moving E.	
7	N	" " " "	
7	N	" " " "	
8	N	Overcast with ≈, moving E; light rain at 32m. after full hour.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°7. Daily fall of rain by Osler's Gauge 1.14 in. On the 31st at noon the Wet Bulb Thermometer fell 2°0 in one hour, and rose 2°6 the next hour. The force of Wind was greater than 1 lb.
8	D	Overcast; passing showers of rain.	
8	D	Overcast with ≈, whose motion was not apparent.	
8	D	" " " " " " "	
6	D	≈ scattered about.	
8	L	Overcast with ≈, moving E.	
8	L	" " "	
8	L	Overcast in two strata with ≈, moving E.	
8	L	" " " " "	
8	N	Overcast with ≈, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	L	Densely clouded with ≈ and ≈, the former moving E.	
8	L	Overcast in two strata with ≈ and ≈, the latter moving E.	
8	L	Overcast; a passing shower of rain at 7h. 57m.	
8	L	Clouded as before, but no rain.	
8	N	Overcast; a passing shower of rain at 9h. 30m.	
8	N	Overcast with ≈, moving E.	
8	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 1st–Midnight	29.592	28.698	79°2	77°2	2°0	76°4	0.92	80°2	81°7	WSW	0.2					
1 a. m.	.574	.688	79.2	77.0	2.2	76.1	.91	80.0	81.6	,,	0.1					
2 ,,	.553	.697	78.4	76.0	2.4	75.1	.90	80.2	81.5	W b N	0.3					
3 ,,	.549	.661	79.0	77.0	2.0	76.2	.92	80.4	81.4	W b S	0.4	0.01				
4 ,,	.559	.671	79.0	77.0	2.0	76.2	.92	80.2	81.5	,,	0.2					
5 ,,	.578	.692	79.2	77.0	2.2	76.1	.91	80.2	81.6	,,	0.3					
6 ,,	.600	.752	79.1	76.0	3.1	74.8	.87	79.7	81.6	WSW	1.5					
7 ,,	.620	.719	77.8	77.0	0.8	76.7	.97	79.0	81.3	,,	0.2	0.05				
8 ,,	.631	.734	80.0	77.5	2.5	76.5	.90	81.2	81.4	W	0.4	0.03				
9 ,,	.638	.711	80.6	78.4	2.2	77.6	.91	81.4	81.5	W b S	0 to 1¼					
10 ,,	.647	.739	81.6	78.2	3.4	76.9	.86	82.2	81.6	,,	0.3					
11 ,,	.651	.704	84.2	79.8	4.4	78.2	.83	84.2	82.0	W	¼ to 1½					
Noon.	.640	.661	85.2	80.8	4.4	79.3	.83	85.8	82.3	WSW	¼ to 1½		None.	None.	None.	None.
1 p. m.	.624	.716	84.6	79.0	5.6	76.9	.78	85.2	82.4	W b S	¼ to 2½					
2 ,,	.618	.742	83.7	78.0	5.7	75.8	.78	84.2	82.5	,,	1 to 5					
3 ,,	.603	.714	82.5	78.0	4.5	76.3	.82	83.2	82.6	WSW	0.4					
4 ,,	.591	.727	81.2	77.0	4.2	75.4	.83	82.2	82.5	,,	¼ to 2¼					
5 ,,	.608	.774	80.4	76.0	4.4	74.3	.82	80.4	82.0	,,	¼ to 2					
6 ,,	.611	.687	79.4	78.0	1.4	77.5	.94	80.4	81.9	,,	¼ to 2					
7 ,,	.621	.740	79.6	77.0	2.6	76.0	.89	80.5	81.9	W	¼ to 2					
8 ,,	.635	.790	79.4	76.0	3.4	74.7	.86	80.2	81.9	W b S	1 to 3					
9 ,,	.653	.769	79.4	77.0	2.4	76.1	.90	80.2	81.8	WSW	¼ to 5					
10 ,,	.665	.751	79.9	77.9	2.0	77.1	.92	80.5	81.8	W b S	¼ to 3¾					
11 ,,	.660	.762	78.8	77.2	1.6	76.6	.93	79.5	81.6	WSW	¼ to 3	0.07				
Aug. 2nd–Midnight	.652	.758	79.2	77.2	2.0	76.4	.92	79.8	81.6	WSW	¼ to 3	0.04				
1 a. m.	.622	.736	79.2	77.0	2.2	76.1	.91	79.8	81.5	,,	1 to 3					
2 ,,	.610	.763	79.2	76.0	3.2	74.7	.87	80.0	81.4	,,	¼ to 3					
3 ,,	.592	.774	78.3	75.0	3.3	73.6	.86	79.2	81.4	W b N	¼ to 2½					
4 ,,	.589	.729	78.0	76.0	2.0	75.2	.92	78.6	81.3	W	¼ to 3¼	0.05				
5 ,,	.598	.703	78.4	77.0	1.4	76.5	.94	79.2	81.4	,,	¼ to 3¾	0.09				
6 ,,	.628	.736	78.6	77.0	1.6	76.4	.93	79.6	81.3	,,	¼ to 3					
7 ,,	.648	.773	78.8	76.6	2.2	75.8	.91	79.3	81.3	,,	¼ to 1¾					
8 ,,	.672	.789	80.2	77.2	3.0	76.0	.88	80.8	81.4	W b S	¼ to 5					
9 ,,	.685	.770	80.2	78.0	2.2	77.2	.91	81.2	81.3	,,	¼ to 3	0.03				
10 ,,	.679	.768	80.5	78.0	2.5	77.0	.90	82.2	81.5	,,	¼ to 2	0.02				
11 ,,	.675	.813	81.4	77.0	4.4	75.4	.82	82.0	81.7	,,	¼ to 3					
Noon.	.665	.836	80.8	76.0	4.8	74.1	.81	81.2	81.7	,,	¼ to 2¾		None.	None.	None.	None.
1 p. m.	.656	.744	81.9	78.6	3.3	77.1	.87	82.4	81.8	WSW	0.5					
2 ,,	.638	.735	82.0	78.2	3.8	76.7	.85	82.4	82.0	,,	¼ to 2					
3 ,,	.629	.743	82.8	78.0	4.8	76.1	.81	83.0	82.1	,,	¼ to 2¼					
4 ,,	.611	.705	81.0	78.0	3.0	76.8	.88	81.8	81.9	,,	¼ to 2					
5 ,,	.610	.750	78.0	76.0	2.0	75.2	.92	79.2	81.9	,,	0.1	0.01				
6 ,,	.622	.738	79.4	77.0	2.4	76.1	.90	80.0	81.7	W	¼ to 1¾					
7 ,,	.628	.739	78.0	77.0	1.0	76.6	.96	79.6	81.6	WSW	1 to 3	0.09				
8 ,,	.634	.746	79.0	77.0	2.0	76.2	.92	79.2	81.5	W b S	¼ to 1¾					
9 ,,	.648	.764	79.4	77.0	2.4	76.1	.90	80.0	81.4	,,	¼ to 3¼					
10 ,,	.658	.776	79.5	77.0	2.5	76.0	.90	80.2	81.4	,,	¼ to 2					
11 ,,	.662	.819	79.5	76.0	3.5	74.6	.86	80.2	81.3	,,	¼ to 1¾					
Aug. 4th–Midnight	.704	.820	80.1	77.2	2.9	76.1	.88	80.6	81.6	W b S	0.4					
1 a. m.	.688	.808	801.	77.1	3.0	75.9	.88	80.2	81.6	,,	0.5					
2 ,,	.664	.783	79.6	77.0	2.6	76.0	.89	80.0	81.5	W	0.1	0.01				
3 ,,	.659	.775	79.4	77.0	2.4	76.1	.90	80.0	81.5	,,	0.1					
4 ,,	.656	.770	79.2	77.0	2.2	76.1	.91	80.2	81.5	,,	0.1					
5 ,,	.661	.784	79.0	76.7	2.3	75.8	.90	79.8	81.4	,,	0.1	0.02				
6 ,,	.680	.775	78.2	77.2	1.0	76.8	.96	79.2	81.2	NW	0.1		None.	None.	None.	None.
7 ,,	.690	.805	80.0	77.2	2.8	76.1	.88	80.4	81.2	WNW	0.1					
8 ,,	.707	.802	81.1	78.0	3.1	76.8	.87	82.0	81.4	W b S	0.1					
9 ,,	.724	.795	82.0	78.8	3.2	77.6	.87	82.6	81.6	W	0.2					
10 ,,	.726	.771	83.4	79.8	3.6	78.5	.86	83.9	81.8	,,	0.3					
11 ,,	.719	.772	84.2	79.8	4.4	78.2	.83	83.9	82.2	,,	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	N	Overcast with ⌒i, moving E; smart wind accompanied with light rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°7. Daily fall of rain by Osler's Gauge 0.15 in. On the 1st the Morning Maximum of Standard Barometer a little later. Occasional squalls of Wind in the afternoon, Maximum Pressure of which was 5 lbs. At 3 A. M. the height of Barometer was 29.549, the lowest during this month.
8	D	Overcast with ⌒i, moving E; gusts of wind.	
8	D	Densely clouded with ⌒i, moving E; light rain at 2h. 19m. which lasted 5m.; gusts of wind.	
7	D	⌒i scattered throughout, moving E; gusts of wind.	
6	D	" " " " " "	
8	L	Overcast with ⌒i, moving E.	
8	L	Overcast in two strata with ⌒i, moving ENE; rain commenced at 6h. 16m. and lasted 16m.	
8	L	Clouded as before; rain commenced at 7h. 21m. and ceased at 7h. 28m.	
8	L	Overcast with ⌒i, moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	N	Overcast; passing shower of rain 10m. after full hour.	
8	D	Overcast with ⌒i, moving NE.	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	N	Overcast; light rain at 5h. 15m.	
8	L	Overcast with ⌒i, moving E.	
6	L	⌒i and ⌒i scattered about, moving E.	
8	L	" " " " "	
8	L	Overcast with ⌒i, moving E; gusts of wind.	
8	L	Overcast; passing showers of rain.	
8	L	" " " "	
8	L	Overcast with ⌒i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°6 and 85°6. Daily fall of rain by Osler's Gauge 0.25 in. The force of Wind was greater than 1 lb.
8	D	Overcast; strong wind accompanied with rain.	
8	D	" " " " "	
8	D	" " " " "	
8	D	Overcast; rain commenced at 4h. 26m. and ceased at 4h. 52m.	
8	L	Overcast with ⌒i, moving E.	
8	L	" " "	
8	L	" " "	
8	L	Overcast; light rain at 8h. 30m. which lasted 7m.	
8	D	Overcast; a passing shower of rain at 9h. 16m.	
8	D	Overcast; a passing shower of rain at 10h. 8m.	
8	D	Overcast; a passing shower of rain at 11h. 6m.	
8	D	Overcast with ⌒i, moving E.	
8	S	Overcast with ⌒i and ⌒i, the former moving ENE; a solar halo.	
8	S	" " " " " " "	
8	S	Overcast with ⌒i, moving E by N; light drops of rain.	
8	S	Overcast; light rain at 4h. 38m. which lasted 7m.	
8	D	Overcast with ⌒i, moving E.	
8	D	Overcast; a shower of rain at 6h. 20m. which lasted 4m.	
8	D	Overcast with ⌒i, moving E.	
8	D	Overcast; a few drops of rain.	
8	D	Overcast; a passing shower of rain at 9h. 10m.	
8	D	Overcast; a few stars dimly visible.	
7	D	⌒i scattered throughout.	
8	L	Overcast with ⌒i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 85°5. Daily fall of rain by Osler's Gauge 0.11 in. On the 4th occasional squalls of Wind in the afternoon, Maximum Pressure 2¾ lbs.
8	L	Overcast; rain commenced at 1h. 17m.	
6	D	⌒i scattered throughout, moving E.	
8	D	Overcast with ⌒i, moving E; a few stars dimly visible.	
8	D	Overcast; light rain at 4h. 13m. which lasted 3m.	
8	N	Overcast; light rain at 5h. 30m.	
8	N	Overcast with ⌒i, moving E.	
8	N	" " "	
8	N	" " "	
8	L	" " "	
6	L	⌒i around, otherwise clouded with ⌒i and ⌒i.	
8	L	Densely clouded with ⌒i and ⌒i; a passing shower at 11h. 19m.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 4th—Noon.	29.701	28.773	82°8	79°0	3°8	77°6	0.85	83°2	82°1	WNW	0.5					
1 p. m.	.690	.723	83.1	80.0	3.1	78.9	.88	84.3	82.5	W b W	½ to 1½					
2 „	.683	.781	85.2	79.0	6.2	76.7	.76	84.2	82.6	W	0.1					
3 „	.669	.809	81.5	77.0	4.5	75.2	.82	81.8	82.4	W b N	½ to 2¾	0.02				
4 „	.658	.743	80.2	78.0	2.2	77.2	.91	81.4	82.1	W	0.1	0.01				
5 „	.648	.778	80.6	77.0	3.6	75.6	.85	81.0	82.0	W b N	0.7					
6 „	.653	.761	78.6	77.0	1.6	75.6	.93	80.0	81.6	„	¼ to 2	0.05	None.	None.	None.	None.
7 „	.676	.775	79.5	77.2	2.3	76.3	.90	80.2	81.6	„	0 to 1					
8 „	.703	.824	79.8	77.0	2.8	75.9	.88	80.3	81.7	„	0.5					
9 „	.720	.841	79.8	77.0	2.8	75.9	.88	80.3	81.7	„	½ to 1					
10 „	.727	.846	79.6	77.0	2.6	76.0	.89	80.3	81.7	W	0.4					
11 „	.730	.856	79.2	76.7	2.5	75.7	.90	80.0	81.6	WNW	½ to 2					
Aug. 5th—Midnight	.717	.831	79.9	77.2	2.7	76.1	.89	80.5	81.6	W b N	0.4					
1 a. m.	.711	.827	79.4	77.0	2.4	76.1	.90	80.5	81.5	„	¼ to 1					
2 „	.703	.819	79.4	77.0	2.4	76.1	.90	80.4	81.5	W	0.1					
3 „	.688	.806	79.5	77.0	2.5	76.0	.90	80.2	81.5	W b N	0.1					
4 „	.668	.782	79.2	77.0	2.2	76.1	.91	80.2	81.4	W	0.2					
5 „	.682	.796	79.2	77.0	2.2	76.1	.91	80.0	81.5	„	0.1					
6 „	.697	.805	78.6	77.0	1.6	76.4	.93	79.6	81.2	W b N	0.2	0.4				
7 „	.717	.837	79.7	77.0	2.7	75.9	.82	80.3	81.2	„	0.1	0.1				
8 „	.742	.867	80.2	77.0	3.2	75.8	.87	80.6	81.4	„	0.2					
9 „	.755	.877	80.3	77.1	3.2	75.9	.87	80.7	81.5	„	0.3					
10 „	.769	.871	78.8	77.2	1.6	76.6	.93	79.6	81.4	WNW	⅓ to 2¼					
11 „	.758	.848	81.4	78.2	3.2	77.0	.87	82.2	81.6	NW b W	0.1		None.	None.	None.	None.
Noon.	.745	.823	81.0	78.4	2.6	77.4	.89	81.8	81.5	W b S	0.2					
1 p. m.	.736	.801	82.2	79.0	3.2	77.8	.87	83.2	81.5	WNW	0.1					
2 „	.724	.825	81.6	78.0	3.6	76.6	.85	82.2	81.7	W	0.1					
3 „	.718	.819	81.6	78.0	3.6	76.6	.85	82.0	81.7	„	0.1					
4 „	.699	.824	80.2	77.0	3.2	75.8	.87	81.2	81.8	„	0.1					
5 „	.700	.817	80.2	77.2	3.0	76.0	.88	81.0	81.6	„	0.2					
6 „	.720	.852	78.0	76.2	1.8	75.5	.92	78.6	81.4	W b N	¼ to 1½	0.09				
7 „	.732	.851	78.2	76.6	1.6	76.0	.93	78.8	81.4	WSW	0.1					
8 „	.749	.854	78.4	77.0	1.4	76.5	.94	79.0	81.4	W	0 to 1¾					
9 „	.763	.871	78.6	77.0	1.6	76.4	.93	79.2	81.4	„	¼ to 2					
10 „	.762	.900	77.8	76.0	1.8	75.3	.92	78.6	81.2	„	0.7					
11 „	.755	.858	78.2	77.0	1.2	76.5	.95	79.0	81.1	„	¼ to 3½					
Aug. 6th—Midnight	.738	.902	76.6	75.0	1.6	74.3	.93	76.4	81.0	W b N	0.6	0.53				
1 a. m.	.708	.846	77.8	76.0	1.8	75.3	.92	78.2	81.0	W	0.1	0.01				
2 „	.689	.829	78.0	76.0	2.0	75.2	.92	78.4	81.0	WNW	0 to 1½					
3 „	.685	.830	78.4	76.0	2.4	75.1	.90	78.8	81.1	„	0.3					
4 „	.688	.856	77.0	75.0	2.0	74.2	.91	78.2	81.0	W b N	0.1					
5 „	.700	.815	77.5	76.5	1.0	76.1	.96	78.3	80.6	WNW	0.2					
6 „	.728	.871	76.6	75.4	1.2	74.9	.95	76.6	80.5	„	¼ to 3½	0.20				
7 „	.745	.844	77.8	77.0	0.8	76.7	.97	79.0	80.5	„	0.2					
8 „	.765	.867	77.7	76.9	0.8	76.6	.97	78.2	80.5	„	0.1	0.01				
9 „	.779	.867	80.1	77.9	2.2	77.1	.91	80.9	80.9	„	0.4					
10 „	.778	.881	81.8	78.0	3.8	76.5	.85	82.6	81.2	„	0.5					
11 „	.774	.833	84.0	79.6	4.4	78.0	.83	84.2	81.5	„	0.3					
Noon.	.769	.797	85.0	80.6	4.4	79.1	.83	85.0	81.7	„	0.2		None.	None.	None.	None.
1 p. m.	.764	.764	85.8	81.0	4.8	79.3	.81	86.2	81.8	W b S	0.1					
2 „	.739	.791	81.0	79.0	2.0	78.3	.92	82.0	81.8	WNW	0.1	0.20				
3 „	.731	.774	84.0	80.0	4.0	78.6	.84	84.2	82.1	W	0.1					
4 „	.724	.818	81.0	78.0	3.0	76.8	.84	81.2	82.0	„	0.1	0.05				
5 „	.730	.805	80.0	78.2	1.8	77.5	.92	80.6	81.6	„	0.2					
6 „	.738	.853	79.3	77.0	2.3	76.1	.90	80.2	81.5	„	0.2					
7 „	.758	.866	78.6	77.0	1.6	76.4	.93	79.4	81.5	WNW	0.1					
8 „	.775	.895	78.4	76.6	1.8	75.9	.92	79.2	81.5	W b N	0.4					
9 „	.791	.903	79.0	77.0	2.0	76.2	.92	79.6	81.4	W	0.2					
10 „	.792	.921	78.4	76.4	2.0	75.6	.92	79.4	81.3	W b N	0.1					
11 „	.787	.909	77.8	76.4	1.4	75.9	.94	78.4	81.2	„	0.5	0.07				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	L	around hor., otherwise clouded with and .	
8	D	Overcast with , moving E.	
8	D	Overcast; light rain at 2h. 49m.	
8	D	Overcast in two strata; light rain at 3h. 32m.	
8	D	Overcast with , moving E; light rain at 4h. 10m. which lasted 10m.	
8	N	Overcast with ; drops of rain falling.	
8	N	" " " " "	
8	N	Overcast with , moving E.	
8	N	" " "	
8	L	Overcast; a few stars dimly visible.	
8	L	Overcast with , moving E.	
8	L	" " "	
8	L	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 85°5. Daily fall of rain by Osler's Gauge.
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	N	Overcast; passing showers of rain.	
8	N	Overcast; light rain at 6h. 30m.	
6	N	scattered about, moving E.	
8	N	" " " "	
8	L	Overcast with ; light rain at 9h. 20m.	
8	L	Overcast with , moving E.	
8	L	" " "	
8	L	" " "	
8	D	" " "	
8	D	" " "	
8	D	Overcast; light rain at 3h. 23m. which lasted 6m.	
8	D	Overcast with , moving E.	
8	N	Overcast; light rain at 5h. 30m. which lasted 10m.	
8	N	Overcast with , moving E.	
8	N	" " "	
8	N	" " "	
8	L	" " "	
8	L	" " "	
8	L	Overcast; strong wind accompanied with passing showers of rain.	
8	L	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 83°5. Daily fall of rain by Osler's Gauge 1.06 in.
8	D	Overcast; light rain at 1h. 13m.	
8	D	Overcast with , moving E.	
8	D	" " "	
8	D	" " "	
8	N	Overcast; passing showers of rain accompanied with gusts of wind.	
8	N	Overcast; light rain at full hour.	
8	N	Overcast; drizzling rain.	
8	N	" " "	
8	L	Overcast with , moving E.	
8	L	Overcast with ; a few streaks of above S hor.	
8	L	around hor.; and scattered throughout.	
6	L	and scattered throughout.	
8	D	Overcast; passing showers of rain.	
8	D	Overcast with , moving E.	
8	D	Overcast; light rain at 3h. 19m. which lasted 5m.	
8	D	Overcast; raining lightly.	
8	N	Overcast with , moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	" " "	
4	L	scattered about, except the zth.; rain commenced at 10h. 44m.	
8	L	Overcast with , moving E; rain ceased at 11h. 8m.	

On the 5th occasional squalls, Maximum Pressure 3¾ lbs. The Range of the Temperature of Air was 4°4, the lowest during this month; the Range of Wet Bulb Thermometer was 3°0, the lowest in this month.

On the 6th occasional squalls of Wind in the morning, Maximum Pressure 3¾ lbs. At 2 P. M. the Temperature of Air fell 4°8 in one hour, and rose 3° for the next hour. At the same hour the Wet Bulb Thermometer fell 2° in one hour. At 6 P. M. the Temperature of Wet Bulb Thermometer was 81.0, the highest during this month; at midnight the Temperature of External Air was 76°6, being about 3° lower than the Normal Mean.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 7th-Midnight	29.771	28.873	78°8	77°2	1°6	76°6	0.93	79°7	81°2	W	0.2					
1 a. m.	.754	.866	79.0	77.0	2.0	76.2	.92	80.0	81.1	„	0.3					
2 „	.741	.892	79.0	76.0	3.0	74.8	.88	80.2	81.0	„	0.1					
3 „	.737	.888	79.0	76.0	3.0	74.8	.88	80.0	81.0	„	0.1					
4 „	.745	.896	79.0	76.0	3.0	74.8	.88	79.6	81.0	W b S	0.1					
5 „	.759	.863	79.0	77.2	1.8	76.5	.92	80.0	81.1	„	0.4					
6 „	.779	.891	79.0	77.0	2.0	76.2	.92	80.0	81.0	„	0.2					
7 „	.797	.915	79.5	77.0	2.5	76.0	.90	80.3	81.0	W	0.2					
8 „	.809	.920	80.8	77.5	3.3	76.3	.87	81.2	81.2	„	0.1					
9 „	.816	.868	81.0	79.0	2.0	78.3	.92	81.8	81.4	„	0.2	0.07				
10 „	.826	.913	80.4	78.0	2.4	77.1	.90	81.2	81.4	„	0.2					
11 „	.827	.860	83.5	80.1	3.4	78.9	.87	83.6	81.6	„	0.1					
Noon.	.818	.884	84.6	79.6	5.0	77.8	.81	84.2	82.0	„	0.2		None.	None.	None.	None.
1 p. m.	.802	.905	81.8	78.0	3.8	76.5	.87	82.0	82.1	WNW	0.1					
2 „	.788	.864	83.2	79.0	4.2	77.5	.83	84.0	82.1	W b N	0.1					
3 „	.779	.868	84.4	79.0	5.4	77.0	.79	84.6	82.2	„	0.1					
4 „	.760	.856	85.0	79.0	6.0	76.8	.77	84.4	82.4	„	0.1					
5 „	.762	.884	83.5	78.0	5.5	75.9	.79	83.2	82.3	W	0.1					
6 „	.773	.917	81.2	76.8	4.4	75.1	.82	82.0	82.0	„	0.1					
7 „	.779	.908	80.5	77.0	3.5	75.6	.87	81.0	82.0	W b S	0.1					
8 „	.789	.915	79.9	76.9	3.0	75.7	.88	80.2	81.9	W	0.1					
9 „	.799	.920	79.8	77.0	2.8	75.9	.88	80.5	81.8	„	0.1					
10 „	.810	.967	79.5	76.0	3.5	74.6	.86	80.2	81.7	W b N	0.1					
11 „	.805	.933	79.4	76.7	2.7	75.6	.89	80.2	81.6	„	0.2					
Aug. 8th-Midnight	.795	.938	79.3	76.3	3.0	75.1	.88	80.2	81.6	W b N	0.2					
1 a. m.	.777	.928	79.0	76.0	3.0	74.8	.88	80.0	81.5	W	0.1					
2 „	.765	.918	79.2	76.0	3.2	74.7	.87	80.0	81.5	„	0.1					
3 „	.759	.910	79.0	76.0	3.0	74.8	.88	80.0	81.4	„	0.1					
4 „	.758	.937	78.0	75.0	3.0	73.8	.87	78.4	81.3	„	0.1	0.05				
5 „	.752	.894	78.2	76.0	2.2	75.1	.91	79.3	81.1	W b S	0.6					
6 „	.766	.912	78.5	76.0	2.5	75.0	.89	79.2	81.1	„	0.4					
7 „	.787	.932	79.2	76.2	3.0	75.0	.88	80.3	81.0	WSW	0.4					
8 „	.803	.919	79.4	77.0	2.4	76.1	.90	80.0	81.2	WNW	0.5	0.02				
9 „	.814	.941	77.8	76.3	1.5	75.7	.94	79.4	81.0	W	0.1					
10 „	.815	.930	81.1	77.5	3.6	76.1	.85	81.6	81.3	WSW	0.3					
11 „	.800	.866	83.8	79.4	4.4	77.8	.83	83.4	81.6	„	0.2					
Noon.	.791	.865	85.3	79.6	5.7	77.5	.78	85.0	81.9	W b S	0.2		None.	None.	None.	None.
1 p. m.	.774	.874	85.4	79.0	6.4	76.6	.76	85.2	82.1	„	0.1					
2 „	.752	.852	85.4	79.0	6.4	76.6	.76	84.8	82.2	WNW	0.1					
3 „	.732	.791	81.6	79.0	2.6	78.0	.89	83.2	81.8	W	0.1	0.12				
4 „	.738	.836	81.4	78.0	3.4	76.7	.87	82.2	81.9	„	0.1	0.03				
5 „	.744	.897	79.2	76.0	3.2	74.7	.87	79.2	81.6	„	0.2	0.10				
6 „	.752	.849	79.8	77.6	2.2	76.7	.91	80.6	81.6	WSW	0.1	0.01				
7 „	.743	.855	79.0	77.0	2.0	76.2	.92	80.0	81.5	W	0.0					
8 „	.748	.862	79.2	77.0	2.2	76.1	.91	80.2	81.4	W b S	0.3					
9 „	.765	.864	79.2	77.4	1.8	76.7	.92	80.2	81.6	„	0.3					
10 „	.769	.883	79.2	77.0	2.2	76.1	.91	80.2	81.5	„	0.1					
11 „	.763	.898	78.9	76.4	2.5	75.4	.90	79.9	81.3	WSW	0.2					
Aug. 9th-Midnight	.756	.892	79.0	76.4	2.6	75.4	.89	79.9	81.3	WSW	0.4					
1 a. m.	.744	.932	78.8	75.0	3.8	73.4	.84	80.0	81.3	„	0.1					
2 „	.733	.884	79.0	76.0	3.0	74.8	.88	80.2	81.2	„	0.0					
3 „	.721	.872	79.0	76.0	3.0	74.8	.88	80.0	81.1	„	0.1					
4 „	.723	.867	78.4	76.0	2.4	75.1	.90	80.0	81.1	„	0.1					
5 „	.727	.859	78.7	76.4	2.3	75.5	.90	79.8	81.0	„	0.4					
6 „	.744	.886	78.2	76.0	2.2	75.1	.91	79.0	80.9	„	0.4		None.	None.	None.	None.
7 „	.769	.881	79.0	77.0	2.0	76.2	.92	80.0	80.9	SW b S	0.2					
8 „	.793	.897	80.4	77.6	2.8	76.5	.88	81.2	81.1	WSW	0.1					
9 „	.801	.910	79.1	77.1	2.0	76.3	.92	80.0	81.1	W	0.2	0.02				
10 „	.798	.927	78.4	76.4	2.0	75.6	.92	79.4	81.0	W b S	0.0	0.14				
11 „	.795	.865	82.4	79.0	3.6	77.7	.86	83.3	81.4	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	L	Overcast with ≈, moving E; a break in SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 85°5. Daily fall of rain by Osler's Gauge 0.07 in. The force of Wind was greater than 1 lb. At 11 A. M. the height of Barometer was 29.827 ins., the highest during the month.
8	D	Overcast with ≈, moving E.	
8	D	" " "	
8	D	" " "	
6	D	≈ scattered throughout, moving E; a few stars dimly visible.	
8	N	Overcast with ≈, moving E.	
8	N	" " "	
7	N	Densely clouded with ≈ and ≈, the former moving E.	
4	N	≈ scattered about, moving E; light rain at 8h. 43m. which lasted 5m.	
8	L	Overcast with ≈, moving E; light rain at 9h. which ceased at 9h. 5m.	
7	L	Densely clouded with ≈ and ≈.	
7	L	≈ around hor.; ≈ and ≈ scattered throughout.	
4	L	≈ around hor.; ≈, ≈, and haze scattered about; light rain at 12h. 47m.	
7	D	Densely clouded with ≈ and ≈, both moving NE.	
4	D	≈ scattered throughout, moving NE.	
6	D	≈ scattered throughout, moving ENE.	
8	D	Overcast with ≈, moving E.	
6	N	≈ scattered throughout, moving E.	
2	N	≈ scattered around hor.	
4	N	≈ scattered about, moving E.	
4	N	" " " "	
4	L	" " " "	
2	L	≈ scattered around hor.	
2	L	" " "	
4	L	≈ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°1 and 85°4. Daily fall of rain by Osler's Gauge 0.33 in. On the 8th the afternoon movements of Barometer were rather unusual. The force of Wind was greater than 1 lb.
8	D	Overcast with ≈, moving E.	
8	D	Overcast with ≈, whose motion was not apparent.	
8	D	Overcast; rain commenced at 3h. 32m. and ceased at 3h. 43m.	
8	D	Overcast with ≈, moving E.	
5	S	≈ scattered throughout, moving E by N.	
8	S	Densely clouded with ≈, moving E by N. [7h. 53m.	
8	S	≈ and dense ≈ scattered throughout, both moving E; rain commenced at	
8	S	Overcast; rain ceased at 8h. 6m.	
8	L	Overcast with ≈ and ≈, the former moving E. [hazy	
7	L	Masses of ≈ around hor.; patches of ≈ in S hem.; ≈ scattered throughout;	
4	L	" " " " " " " " "	
6	L	≈ scattered about, moving NE; hazy.	
6	D	" " " " "	
8	D	Overcast with ≈, moving E; light rain at 2h. 10m. which lasted 22m.	
8	D	Overcast; light rain at 3h. 19m. which lasted 9m.	
8	D	Overcast; light rain at 4h. 10m.	
8	S	Overcast; passing showers of rain.	
8	S	Densely clouded with ≈; light rain at full hour which lasted 5m.	
7	S	Densely clouded with ≈ and ≈, the former moving E.	
5	S	Masses of ≈ scattered about, moving E.	
3	L	≈ scattered about rather densely around hor.	
6	L	≈ scattered about N hem. and around hor. from SE to SW.	
2	L	≈ scattered around hor.	
8	L	Overcast with ≈, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°2. Daily fall of rain by Osler's Gauge 0.16 in. The force of Wind was greater than 1 lb.
4	D	≈ scattered around hor., moving E.	
5	D	≈ scattered about E.	
4	D	" " "	
4	D	" " "	
8	S	Overcast with ≈, moving ENE.	
6	S	Clouded with ≈, moving ENE; a passing shower of rain at full hour.	
5	S	≈, ≈, and ≈ scattered about; densely clouded with ≈ around hor.	
8	S	Overcast with ≈, moving ENE; raining lightly at times.	
8	L	Overcast; rain commenced at 9h. 20m. and ceased at 9h. 48m.	
8	L	Overcast with ≈, moving E.	
8	L	≈ and ≈ scattered throughout; light ≈ above SW and W hor.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 9th-Noon.	29.778	28.855	84°8	79°4	5°4	77°4	0.79	84°2	81°8	WSW	0.1					
1 p. m.	.765	.830	86.0	80.0	6.0	77.8	.77	86.0	82.1	„	0.1					
2 „	.749	.854	85.8	79.0	6.8	76.5	.74	86.2	82.2	„	0.1					
3 „	.740	.880	85.2	78.0	7.2	75.2	.73	84.6	82.3	W	0.1					
4 „	.735	.835	85.4	79.0	6.4	76.6	.76	85.0	82.4	WSW	0.1					
5 „	.737	.851	82.8	78.0	4.8	76.1	.81	83.2	82.3	„	0.1	None.	None.	None.	None.	None.
6 „	.746	.887	81.6	77.0	4.6	75.2	.82	82.2	82.2	„	0.1					
7 „	.749	.876	80.4	77.0	3.4	75.7	.86	81.2	82.0	„	0.1					
8 „	.759	.886	80.4	77.0	3.4	75.7	.86	81.0	81.9	SW b W	0.1					
9 „	.762	.926	80.2	76.0	4.2	74.3	.83	81.0	81.8	WSW	0.1					
10 „	.767	.939	80.0	76.0	4.0	74.4	.84	80.8	81.7	„	0.3					
11 „	.759	.919	79.8	76.0	3.8	74.5	.84	80.4	81.7	„	0.1					
Aug. 11th-Midnight	.726	.879	79.2	76.0	3.2	74.7	.87	80.0	82.0	SW	0.2					
1 a. m.	.708	.866	79.6	76.0	3.6	74.6	.85	80.0	81.9	„	0.1					
2 „	.686	.872	78.6	75.0	3.6	73.5	.85	78.4	81.7	SW b S	0.5					
3 „	.678	.825	78.6	76.0	2.6	75.0	.89	79.0	81.5	SSW	0.2					
4 „	.677	.819	78.2	76.0	2.2	75.1	.91	78.8	81.4	SW	0.3					
5 „	.671	.792	78.4	76.6	1.8	75.9	.92	79.5	81.5	„	0.3					
6 „	.690	.826	78.4	76.2	2.2	75.4	.91	79.6	81.5	WSW	0.2					
7 „	.713	.823	78.8	77.0	1.8	76.3	.92	79.6	81.4	„	0.3	0.03				
8 „	.732	.856	80.8	77.2	3.6	75.8	.85	82.2	81.4	„	0.2					
9 „	.739	.848	82.4	78.0	4.4	76.3	.83	83.2	81.8	„	0.2					
10 „	.739	.886	83.7	77.4	6.3	75.0	.76	84.2	82.0	„	0.4					
11 „	.740	.884	83.4	77.4	6.0	75.1	.77	83.8	82.1	W	0.1					
Noon.	.729	.895	82.9	76.7	6.2	74.3	.76	83.5	82.2	WSW	0.1					
1 p. m.	.721	.846	83.8	78.0	5.8	75.8	.77	83.2	82.3	„	0.1		None.	None.	None.	None.
2 „	.702	.802	85.4	79.0	6.4	76.6	.76	85.0	82.4	„	0.1					
3 „	.681	.766	84.0	79.0	5.0	77.2	.81	84.8	82.5	„	0.1	0.08				
4 „	.682	.774	84.6	79.0	5.6	76.9	.78	84.6	82.6	„	0.1					
5 „	.680	.813	83.8	77.8	6.0	75.5	.77	84.0	82.5	„	0.2					
6 „	.685	.830	80.2	76.5	3.7	75.0	.85	80.6	82.5	„	0.2	0.02				
7 „	.700	.858	79.6	76.0	3.6	74.6	.85	80.6	82.1	„	0.2					
8 „	.711	.832	79.8	77.0	2.8	75.9	.88	80.8	82.0	„	0.1					
9 „	.723	.846	80.0	77.0	3.0	75.8	.88	81.0	82.0	„	0.1					
10 „	.735	.858	80.0	77.0	3.0	75.8	.88	81.0	82.0	„	0.3					
11 „	.729	.847	78.8	76.8	2.0	76.0	.92	79.8	81.8	„	0.2	0.08				
Aug. 12th-Midnight	.715	.853	78.8	76.3	2.5	75.3	.90	80.1	81.7	WSW	0.3					
1 a. m.	.696	.882	78.6	75.0	3.6	73.5	.85	80.0	81.6	„	0.1					
2 „	.682	.868	78.6	75.0	3.6	73.5	.85	80.0	81.5	„	0.1					
3 „	.678	.843	77.6	75.0	2.6	73.9	.89	78.4	81.4	„	0.1	0.02				
4 „	.681	.860	78.0	75.0	3.0	73.8	.92	78.4	81.4	„	0.1					
5 „	.683	.889	77.0	74.0	3.0	72.8	.87	78.2	81.2	W b N	0.1					
6 „	.698	.861	76.5	75.0	1.5	74.4	.93	77.7	80.8	W	0.1					
7 „	.714	.845	77.2	76.0	1.2	75.5	.95	78.4	81.0	WNW	0.0	0.01				
8 „	.738	.844	79.2	77.2	2.0	76.4	.92	80.4	81.2	W	0.0					
9 „	.746	.830	82.4	78.6	3.8	77.2	.85	83.2	81.5	„	0.1					
10 „	.750	.874	82.2	77.6	4.6	75.8	.82	82.5	81.6	W b S	0.1					
11 „	.750	.858	84.2	78.5	5.7	76.4	.78	84.0	81.8	WNW	0.2					
Noon.	.734	.797	85.4	79.9	5.5	77.9	.79	85.2	82.0	WSW	0.0					
1 p. m.	.721	.814	85.8	79.3	6.5	76.9	.76	85.2	82.3	„	0.1		None.	None.	None.	None.
2 „	.692	.830	85.0	78.0	7.0	75.3	.74	85.2	82.4	W b S	0.1					
3 „	.679	.773	84.8	79.0	5.8	76.8	.78	85.0	82.6	WSW	0.1					
4 „	.676	.805	84.2	78.0	6.2	75.6	.76	84.4	82.6	„	0.1					
5 „	.682	.808	82.4	77.6	4.8	75.7	.81	83.0	82.4	„	0.1					
6 „	.689	.862	81.0	76.0	5.0	74.0	.80	81.8	82.3	„	0.1					
7 „	.704	.847	80.4	76.6	3.8	75.1	.85	81.2	82.0	„	0.1					
8 „	.730	.853	80.0	77.0	3.0	75.8	.88	81.0	82.0	„	0.1					
9 „	.748	.873	80.2	77.0	3.2	75.8	.87	81.2	82.0	„	0.1					
10 „	.752	.868	79.4	77.0	2.4	76.1	.90	80.2	81.9	WNW	0.0					
11 „	.749	.893	78.4	76.0	2.4	75.1	.90	79.0	81.7	W b N	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ≀≀ cumuli; ≀≀ cirro-strati; ≀≀ cumulo-strati; and ≀≀ nimbi.	
7	L	≀≀ scattered around hor.; otherwise clouded with ≀.	
6	D	≀≀ around hor.; ≀ and ≀≀ scattered throughout, moving E.	
6	D	≀≀ around hor.; ≀≀ scattered throughout, moving E.	
7	D	" " " " " "	
6	D	≀≀ scattered throughout, moving E.	
8	D	" " " "	
7	D	" " " "	
4	D	" " " "	
7	D	" " " "	
8	D	" " " "	
8	D	Overcast; a few drops of rain at 10h. 21m.	
7	D	≀≀ scattered throughout, moving E.	
8	L	Overcast with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°9 and 85°0. Daily fall of rain by Osler's Gauge 0.18 in. On the 11th, at 4 P. M., the Barometer rose a little instead of falling. At 11 A. M. the height of Barometer was 29.740 ins., being about 0.010 higher than the Normal Mean; the Range of Barometer was 0.069 in., the lowest during the month.
7	D	≀≀ scattered throughout, moving E; a few drops of rain at 1h. 3m.	
8	D	≀≀ scattered throughout; light rain at 2h. 44m.	
8	D	Overcast; light drops of rain falling.	
8	D	Overcast; light rain at 4h. 21m. which lasted 10m.	
8	S	Overcast with ≀≀, moving E by N.	
8	S	Overcast; rain commenced at 6h. 41m. and ceased at 6h. 48m.	
8	S	Overcast with ≀≀ and ≀≀, the former moving E by N.	
8	S	≀≀ and ≀≀ scattered throughout; hazy.	
7	L	≀≀ around hor.; otherwise clouded with ≀≀.	
8	L	Overcast with ≀≀, moving E.	
8	L	" " "	
8	L	" " "	
8	D	" " "	
8	D	Overcast; light rain at 2h. 27m. which lasted 7m.	
8	D	Overcast with ≀≀, moving E.	
6	D	≀≀ and ≀ scattered throughout, the former moving E. [of rain at 5h. 25m.	
6	S	≀≀ around hor., moving E; ≀ and ≀≀ scattered throughout; a passing shower	
8	S	Overcast with ≀≀, moving E.	
5	S	≀≀ around hor.; ≀ and a few patches of ≀≀ scattered about.	
8	S	≀≀ and ≀ scattered throughout, the former moving E; hazy.	
8	L	Overcast with ≀≀, moving E.	
8	L	Overcast; rain commenced at 10h. 14m. and ceased at 10h. 28m.	
8	L	Overcast with ≀≀, moving E.	
8	L	≀≀ and ≀ scattered throughout, the former moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°9 and 85°0. Daily fall of rain by Osler's Gauge 0.03 in.
8	D	Overcast with ≀≀, whose motion was not apparent.	
8	D	Overcast; light rain at 2h. 8m. which lasted 7m.	
8	D	Overcast with ≀≀, moving E.	
8	D	Overcast with ≀≀, whose motion was not apparent; light drops of rain at 4h. 5m.	
8	S	Overcast; drizzling rain at full hour.	
8	S	Overcast; drizzling rain at 6h. 30m. which lasted 10m.	
8	S	Overcast with ≀≀, moving E.	
8	S	" " " " a few patches of ≀≀ W of zth.	
7	L	≀≀ scattered about, moving E; ≀ and ≀≀ about zth.	
7	L	≀≀ around hor. and in SE; ≀ and ≀≀ scattered about.	
7	L	≀≀ around hor.; otherwise clouded with ≀ and ≀≀.	
8	L	" " " " " "	
8	L	Overcast with ≀≀ and ≀≀.	
8	D	≀≀ in hor.; otherwise clouded with ≀≀.	
8	D	Overcast in two strata with ≀≀, moving E.	
8	D	Overcast with ≀≀ and ≀≀ in two strata, the latter moving E.	
8	S	Overcast with ≀≀ and ≀≀, both moving E.	
8	S	Overcast with ≀≀, moving ENE.	
6	S	≀≀ scattered throughout, moving ENE; a few cymoid ≀ S of zth. [W.	
7	S	≀≀ around hor.; ≀≀ & ≀ scattered throughout, the former moving E & the latter	
8	L	≀≀ around hor., moving E; ≀ and ≀≀ scattered throughout.	
6	L	≀≀ and ≀≀ scattered throughout, except in SW and W.	
8	L	Overcast in two strata with ≀≀ and ≀≀, the former moving E.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 feet from the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 13th-Midnight	29.743	28.874	78°6	76°4	2°2	75°5	.91	79°4	81°6	WNW	0.1					
1 a. m.	.731	.875	78.4	76.0	2.4	75.1	.90	79.3	81.5	„	0.0					
2 „	.721	.863	78.2	76.0	2.2	75.1	.91	79.0	81.4	„	0.1					
3 „	.715	.855	78.0	76.0	2.0	75.2	.92	78.6	81.4	„	0.1					
4 „	.709	.881	77.4	75.0	2.4	74.0	.90	78.6	81.4	„	0.1					
5 „	.706	.839	77.4	76.0	1.4	75.5	.94	78.7	81.1	„	0.0					
6 „	.727	.845	77.4	76.4	1.0	76.0	.96	78.7	81.1	„	0.0					
7 „	.738	.807	79.8	78.3	1.5	77.7	.94	81.5	81.1	„	0.0					
8 „	.744	.823	80.4	78.2	2.2	77.4	.91	81.5	81.3	„	0.0					
9 „	.754	.784	83.6	80.2	3.4	79.0	.87	83.6	81.7	SW b S	0.1					
10 „	.755	.826	84.5	79.7	4.8	78.0	.81	84.7	82.0	„	0.1	Immeasurable.				
11 „	.728	.817	82.4	79.2	3.2	78.0	.87	83.2	81.9	W	0.1		None.	None.	None.	
Noon.	.746	.842	85.0	79.0	6.0	76.8	.77	84.4	82.2	NNW	0.1					
1 p. m.	.730	.841	86.4	79.0	7.4	76.3	.72	86.2	82.3	W	0.1					
2 „	.696	.812	86.8	79.0	7.8	76.1	.71	86.8	82.3	„	0.1					
3 „	.689	.767	87.2	80.0	7.2	77.4	.73	86.4	82.4	„	0.1					
4 „	.678	.756	87.2	80.0	7.2	77.4	.73	86.4	82.9	„	0.1					
5 „	.691	.806	86.0	78.8	7.2	76.1	.73	85.2	83.0	„	0.1					
6 „	.695	.791	83.9	78.7	5.2	76.8	.80	84.2	82.9	W b S	0.1					
7 „	.721	.826	82.0	78.0	4.0	76.5	.84	82.8	82.7	W	0.0					
8 „	.729	.832	81.8	78.0	3.8	76.5	.85	82.4	82.5	„	0.0					
9 „	.727	.835	81.6	77.8	3.8	76.4	.85	82.4	82.5	„	0.0					
10 „	.734	.856	81.4	77.4	4.0	75.9	.84	82.0	82.4	„	0.0					
11 „	.735	.879	81.2	76.8	4.4	75.1	.82	82.0	82.4	„	0.1					
Aug. 14th-Midnight	.724	.848	80.8	77.2	3.6	75.8	.85	81.4	82.3	W	0.1					
1 a. m.	.707	.834	80.4	77.0	3.4	75.7	.86	81.2	82.2	„	0.1					
2 „	.690	.813	80.0	77.0	3.0	75.8	.88	81.0	82.1	„	0.1					
3 „	.685	.808	80.0	77.0	3.0	75.8	.88	81.0	82.1	„	0.1					
4 „	.683	.841	79.6	76.0	3.6	74.6	.85	80.2	82.0	WNW	0.1					
5 „	.686	.805	79.6	77.0	2.6	76.0	.89	80.4	81.9	„	0.1					
6 „	.702	.820	79.5	77.0	2.5	76.0	.89	80.3	81.8	„	0.0					
7 „	.726	.851	80.2	77.0	3.2	75.8	.87	81.2	81.8	„	0.0					
8 „	.751	.879	81.2	77.2	4.0	75.6	.84	82.0	81.8	„	0.0					
9 „	.762	.816	81.2	79.0	2.2	78.2	.91	82.2	82.0	SE b S	0.1					
10 „	.756	.758	83.4	80.8	2.6	79.9	.90	84.2	82.3	„	0.1	Immeasurable.				
11 „	.745	.789	84.5	80.1	4.4	78.5	.83	84.8	82.5	„	0.0		None.	None.	None.	
Noon.	.727	.785	85.4	80.0	5.4	78.1	.79	85.7	82.7	SSE	0.0					
1 p. m.	.715	.822	86.0	79.0	7.0	76.4	.74	86.2	83.0	SW b W	0.0					
2 „	.698	.819	86.4	79.0	7.4	76.5	.72	86.4	83.1	WNW	0.1					
3 „	.684	.822	85.0	78.0	7.0	75.3	.73	85.2	83.1	„	0.1					
4 „	.672	.799	84.0	78.0	6.0	75.7	.77	84.2	82.9	„	0.1					
5 „	.673	.829	83.0	77.0	6.0	74.6	.77	83.2	82.7	NW	0.1					
6 „	.687	.828	82.4	77.2	5.2	75.2	.78	83.0	82.7	WNW	0.0					
7 „	.698	.820	81.4	77.4	4.0	75.9	.84	82.2	82.5	„	0.0					
8 „	.725	.853	81.4	77.0	4.4	75.3	.82	82.2	82.4	„	0.3					
9 „	.732	.850	81.0	77.4	3.6	76.0	.85	82.2	82.5	„	0.1					
10 „	.745	.873	81.2	77.2	4.0	75.6	.84	82.1	82.5	W	0.0					
11 „	.739	.833	81.0	78.0	3.0	76.8	.88	82.0	82.4	„	0.2					
Aug. 16th-Midnight	.726	.860	80.0	76.7	3.3	75.4	.86	81.0	82.0	W b N	0.2					
1 a. m.	.696	.812	79.4	77.0	2.4	76.1	.90	80.8	81.9	„	0.1					
2 „	.689	.840	79.0	76.0	3.0	74.8	.88	80.5	81.8	W	0.1					
3 „	.679	.832	79.2	76.0	3.2	74.7	.87	80.4	81.7	W b S	0.1					
4 „	.676	.829	79.2	76.0	3.2	74.7	.87	80.2	81.6	„	0.5					
5 „	.688	.834	77.8	75.8	2.0	75.0	.92	79.0	81.4	W	0.1					
6 „	.703	.865	77.2	75.2	2.0	74.4	.91	78.4	81.3	W b S	0.3	0.04	None.	None.	None.	None.
7 „	.729	.832	78.2	77.0	1.2	76.5	.95	80.4	81.3	W b N	0.2					
8 „	.750	.874	80.8	77.2	3.6	75.8	.85	82.0	81.5	W	0.1					
9 „	.764	.867	81.8	78.0	3.8	76.5	.85	82.2	81.9	WSW	0.3					
10 „	.762	.813	84.0	79.8	4.2	78.3	.84	84.7	82.0	W	0.3					
11 „	.755	.870	86.0	78.8	7.2	76.1	.73	86.2	82.5	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—*In recording these Observations, the Symbols used to denote the clouds are:* ≤ *cirri*; ≤≤ *cirro-cumuli*; ∩ *cumuli*; ∩≤ *cirro-strati*; ∩∩ *cumulo-strati*; and ∩∩≤ *nimbi*.	
5	L	∩∩≤ around hor.; a few patches of ≤≤ about hor. from SE to SW.	At 3 P. M. the Temperature of External Air was 87°2, being about 3.0 higher than the Normal Mean value for that hour.
4	D	" " " " " " " "	
3	D	" " " " " " " "	
5	D	" " " " " " " "	
2	D	" " " " " " " "	
6	S	∩∩≤ and a few patches of ≤≤ scattered about, the former moving E.	
6	S	∩∩≤ around hor.; ≤ scattered throughout; gauze-like mist around the Observatory.	
7	S	∩∩≤ scattered throughout, moving E.	
4	S	∩∩≤ around hor.; ≤ scattered W and SW of zth.	
5	L	∩∩≤ around hor. in N and NE; patches of ≤≤ scattered along S hor.	
8	L	Overcast with ∩∩≤, moving E; ≤≤ above SE, E, and S hor.; light rain at 10h. 17m.	
8	L	Densely clouded with ∩∩≤, moving E; a few patches of ≤≤ in SE about zth.	
6	L	∩∩≤ around hor.; ≤ and ≤≤ scattered about.	
4	D	∩∩≤ scattered about, moving E.	
3	D	∩∩≤ scattered about hor.	
2	D	∩∩≤ scattered around hor.	
5	D	∩∩≤, ≤≤, and ≤ scattered about, ∩∩≤ moving E.	
6	S	∩∩≤ around hor., moving E; ≤≤ in S hem.; ≤ in NE and E above hor.	
7	S	Densely clouded with ≤, ≤≤, and ∩∩≤, the latter moving ESE.	
7	S	∩∩≤ around hor.; otherwise clouded with ≤ and ≤≤.	
8	S	Overcast with ∩∩≤, moving SE.	
8	L	Densely clouded with ∩∩≤, *moving* SE; a few patches of ≤≤ in SE above hor.	
8	L	∩∩≤ around hor.; otherwise clouded with ≤ and ≤≤.	
8	L	∩∩≤ around hor.; ≤≤ *along* S hor.; ≤ scattered throughout; hazy.	
8	L	∩∩≤ around hor.; haze, vapour, and ≤.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83° and 85°.
8	D	∩∩≤ around hor.; otherwise clouded with ≤ and ≤≤; hazy.	
8	D	" " " " " " "	
8	D	Overcast with ∩∩≤, moving E.	At 10 A. M. the Temperature of Wet Bulb Thermometer was 80.8, being about 2°4 higher than the Normal Mean value.
8	D	" " "	
8	S	Overcast with ∩∩≤, moving E; light rain at 5h. 16m.	
8	S	∩∩≤ around hor., moving E; ≤ scattered throughout; hazy.	
8	S	∩∩≤ scattered about, moving E; ≤≤ and ≤ about zth.	
8	S	Overcast with ∩∩≤, moving E.	
8	L	" " "	
8	L	∩∩≤ around hor.; otherwise clouded with ≤ and ≤≤.	
8	L	" " " " " "	
8	L	Overcast with ≤ and ∩∩≤, the latter moving E.	
8	D	∩∩≤ around hor., moving E; ≤ and ≤≤ scattered throughout.	
8	D	" " " " " " "	
8	D	∩∩≤ around hor.; otherwise clouded with dense ≤.	
8	D	" " " " " "	
8	S	Overcast in two strata with ∩∩≤, moving E.	
8	S	" " " " "	
8	S	" " " " "	
8	S	" " " " "	
8	S	Overcast with ∩∩≤ and ≤≤, the former moving E.	
8	S	Overcast with ∩∩≤, moving E.	
8	S	" " "	
8	L	Overcast with ∩∩≤, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83° and 85°.
8	D	" " "	
8	D	" " "	
8	D	Overcast; a few drops of rain at 3h. 19m.	The force of Wind was greater than 1 lb.; the Range of Wet Bulb Thermometer was 3.0, the lowest during the month.
8	D	Overcast; light rain at 4h. 16m. which lasted 7m.	
8	S	Overcast; a passing shower of rain at 5h. 31m.	
8	S	Overcast with ∩∩≤, moving E.	
8	S	Overcast with ∩∩≤ and ≤ in two strata, the former moving E.	
8	S	∩∩≤ around hor.; otherwise clouded with ≤; solar halo.	
8	L	Overcast with ∩∩≤, moving E.	
8	L	∩∩≤ around hor.; ≤ scattered in N hem.; ≤≤ along hor. from NE to W; hazy.	
8	L	Densely clouded with ∩∩≤ and ≤≤, in E & SW; a few streaks of ≤ here and there.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 16th-Noon.	29.739	28.848	86°2	79°0	7°2	76°3	0.73	86°2	82°6	W b N	0.4					
1 p. m.	.723	.838	86.7	79.0	7.7	76.1	.71	86.4	83.0	W	0.2					
2 „	.700	.849	86.0	78.0	8.0	74.9	.70	86.2	83.0	W b N	0.1					
3 „	.678	.805	84.0	78.0	6.0	75.7	.77	84.2	83.1	W b S	0.1					
4 „	.671	.789	83.2	78.0	5.2	76.0	.80	83.8	83.0	„	0.1					
5 „	.673	.788	82.9	78.0	4.9	76.1	.81	83.2	82.6	W b N	0.4					
6 „	.684	.806	81.0	77.3	3.7	75.9	.85	81.6	82.5	W	0.2	0.01				
7 „	.694	.829	80.3	76.8	3.5	75.4	.86	80.9	82.4	W b N	0.3		None.	None.	None.	None.
8 „	.716	.849	80.2	76.8	3.4	75.5	.86	81.2	82.3	„	0.2					
9 „	.726	.851	80.2	77.0	3.0	75.8	.87	81.0	82.2	W	0.3	0.01				
10 „	.730	.844	79.2	77.0	2.2	76.1	.91	80.2	82.1	„	0.3	0.05				
11 „	.722	.857	79.8	76.6	3.2	75.4	.87	80.5	82.0	„	0.3					
Aug. 18th-Midnight	.702	.812	78.8	77.0	1.8	76.3	.92	80.0	81.5	SSW	0.3					
1 a. m.	.688	.802	79.2	77.0	2.2	76.1	.91	80.0	81.6	„	0.2					
2 „	.683	.837	79.3	76.0	3.3	74.7	.90	80.0	81.5	„	0.1					
3 „	.680	.834	79.3	76.0	3.3	74.7	.90	79.8	81.5	„	0.5					
4 „	.686	.896	77.4	74.0	3.4	72.6	.86	80.0	81.3	„	0.4	0.01				
5 „	.679	.886	75.5	73.5	2.0	72.7	.91	77.8	81.8	S b W	0.1					
6 „	.691	.855	76.6	75.0	1.6	74.3	.93	78.2	80.8	S	0.1					
7 „	.706	.868	77.2	75.2	2.0	74.4	.91	78.0	80.9	SW	½ to 3½	0.05				
8 „	.723	.891	77.0	75.0	2.0	74.2	.91	78.2	80.7	„	½ to 1½					
9 „	.727	.836	80.6	77.5	3.1	76.3	.87	81.6	80.1	SSW	0.1					
10 „	.727	.807	82.8	78.8	4.0	77.3	.84	83.4	81.5	S b W	0.1					
11 „	.715	.773	83.0	79.4	3.6	78.1	.86	83.6	81.6	„	0.1	0.02				
Noon.	.705	.774	85.2	79.7	5.5	77.7	.79	84.9	82.0	„	0.1		None.	None.	None.	None.
1 p. m.	.696	.792	85.0	79.0	6.0	76.8	.77	84.2	82.1	WSW	0.1					
2 „	.667	.714	84.4	80.0	4.4	78.4	.83	85.2	82.2	W b S	0.1					
3 „	.654	.743	84.4	79.0	5.4	77.0	.79	85.0	82.3	W	0.1					
4 „	.650	.750	85.4	79.0	6.4	76.6	.76	85.2	82.5	W b S	0.1					
5 „	.653	.768	81.4	77.6	3.8	76.1	.84	82.2	82.3	WSW	0.2					
6 „	.664	.811	80.0	76.4	3.6	75.0	.85	81.0	82.0	„	0.1					
7 „	.664	.788	80.0	77.0	3.0	75.8	.87	80.7	81.0	SW b S	0.0					
8 „	.676	.813	79.5	76.5	3.0	75.3	.88	80.2	81.7	W	0.1					
9 „	.684	.789	78.4	77.0	1.4	76.5	.94	79.5	81.6	W b S	0.3	0.01				
10 „	.695	.839	79.4	76.3	3.1	75.1	.87	80.2	81.6	W	0.4					
11 „	.693	.825	79.4	76.6	2.8	75.5	.88	80.4	81.6	„	0.2					
Aug. 19th-Midnight	.685	.811	78.5	76.5	2.0	75.7	.92	79.2	81.5	W	0.2	0.14				
1 a. m.	.666	.821	78.4	76.0	2.4	74.7	.86	78.8	81.5	W b N	0.1					
2 „	.661	.803	78.2	76.0	2.2	75.1	.91	79.0	81.4	WNW	0.1					
3 „	.649	.832	78.4	75.0	3.4	73.6	.86	78.7	81.3	W b N	0.1					
4 „	.653	.797	78.4	76.0	2.4	75.1	.90	78.8	81.2	„	0.1					
5 „	.678	.861	78.4	75.0	3.4	73.6	.86	79.2	81.1	„	0.2					
6 „	.686	.910	78.6	74.0	4.6	72.0	.81	79.2	81.0	WNW	0.2					
7 „	.711	.862	79.0	76.0	3.0	74.8	.88	79.7	81.2	„	0.2					
8 „	.719	.907	79.6	75.2	4.4	73.4	.82	80.2	81.2	W b N	0.2					
9 „	.729	.783	81.0	78.7	2.3	78.2	.91	81.9	81.4	W	0.0					
10 „	.723	.875	82.6	77.0	5.6	74.8	.78	82.2	81.5	NW	0.1					
11 „	.715	.840	81.3	77.3	4.0	75.8	.82	82.2	81.6	W	0.1		None.	None.	None.	None.
Noon.	.705	.763	85.4	80.0	5.4	78.1	.79	85.4	82.0	WNW	0.2					
1 p. m.	.681	.788	86.0	79.0	7.0	76.4	.74	85.6	82.3	W	0.1					
2 „	.668	.808	85.4	78.0	7.4	75.1	.72	85.2	82.5	„	0.1					
3 „	.654	.739	84.0	79.0	5.0	77.2	.81	84.4	82.6	WSW	0.1					
4 „	.646	.764	83.2	78.0	5.2	76.0	.80	84.2	82.5	W b S	0.1					
5 „	.648	.770	82.4	77.7	4.7	75.9	.81	83.0	82.4	„	0.1					
6 „	.658	.790	81.6	77.2	4.4	75.5	.82	82.2	82.3	W	0.1					
7 „	.670	.791	80.6	77.2	3.4	75.9	.86	82.0	82.1	WSW	0.1					
8 „	.684	.811	80.4	77.0	3.4	75.7	.86	81.5	82.0	„	0.0					
9 „	.704	.821	79.8	77.1	2.7	76.0	.89	80.6	81.9	W b S	0.1					
10 „	.716	.844	78.7	76.5	2.2	75.6	.91	80.0	81.7	WSW	0.2					
11 „	.708	.854	77.8	75.8	2.0	75.0	.92	79.2	81.5	SW b W	0.1	0.01				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Ni nimbi.	
8	L	Overcast with Ci and Cc, the former moving E.	
8	D	" " " " " "	
8	D	" " " " " "	
8	D	Ci around hor.; otherwise clouded with Cc.	
8	D	" " " " " [5h. 1m. which lasted 3m.	
8	L	Ci scattered throughout, moving E; Cc above N and NE hor.; light rain at	
8	L	Ci and Cc scattered throughout.	
6	L	Ci scattered about, moving E; a few Ci W of zth.	
6	L	Ci scattered about; light passing showers of rain.	
7	L	Ci scattered throughout, moving E; light rain at 9h. 12m. which lasted 5m.	
8	L	Cc scattered in S hem.; Ci scattered throughout.	
8	L	Overcast with Ci and Cc, the former moving E.	
		[which lasted 15m.	
8	L	Ci scattered throughout, moving E; Cc in SE; rain commenced at full hour	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.09 in.
6	D	Ci around hor., Cc scattered throughout.	
7	D	Ci, Cc, and Ci, scattered throughout.	
8	D	Overcast in two strata with Ci, moving E; light rain at 3h. 12m. for 7m.	
8	D	Overcast in two strata; a few drops of rain at 4h. 24m.	
8	S	Overcast with Ci, moving E; drizzling rain at the time of observation. [8m.	
7	S	Clouded with Ci and Cc, except a little in NE of zth.; light rain at 6h. 16m. for	
8	S	Overcast with Ci and Cc in two strata, the former moving E; light rain and	
8	S	Clouded as before but the force of wind abated. [wind at 7h. 15m.	
8	L	Ci around hor.; otherwise clouded with Cc, moving E. [rain at 10h. 19m.	
6	L	Ci around hor.; otherwise clouded with Cc; a break in SW; passing shower of	
7	L	Ci around hor.; otherwise clouded with Cc; Ci above S and SE hor.	
7	L	Ci around hor.; otherwise clouded with Cc; a break in E.	
8	D	Overcast with Ci, moving NE; light rain at 1h. 54m.	
7	D	Ci around hor., Cc scattered throughout.	
4	D	Ci scattered about hor.	
3	D	" " "	
8	S	Overcast with Ci and Cc, the former moving ENE.	
7	S	Clouded with Ci and Cc, the former moving ENE; light rain at 6h. 56m.	
8	S	Overcast; light rain at 7h. 19m.	
6	S	Ci and Cc scattered about; a passing shower of rain at 8h. 51m.	
8	L	Overcast with Ci, moving E.	
8	L	" " "	
8	L	Ci scattered about; a few patches of Cc in E about zth.; passing showers of rain.	
8	L	Ci scattered about, moving E; patches of Cc above hor. from E to SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.14 in.
8	D	Overcast with Ci, moving E.	
6	D	Ci scattered about, moving E.	
7	D	" " " "	
6	D	Ci and Ci scattered throughout, the former moving E.	
6	S	Ci around hor.; Cc and Ci scattered about.	
8	S	Overcast with Ci, moving E.	
8	S	" " "	
8	S	" " "	
8	L	" " " [lasted 5m.	
8	L	Overcast with Ci and Cc, the former moving E; light rain at 10h. 23m. which	
8	L	Ci scattered throughout, moving E; patches of Cc above SW hor. and zth.	
8	L	Light Ci scattered about hor.; otherwise clouded with Cc.	
8	D	Overcast with Ci, moving E.	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	S	Overcast in two strata with Ci, moving E.	
8	S	" " " " "	
8	S	" " " " "	
8	S	" " " " "	
8	L	Overcast; light rain at 9h. 18m.	
8	L	Overcast; light rain at 10h. 19m.	
8	L	Overcast with Ci, moving E.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 20th-Midnight	29.694	28.830	79°0	76°4	2°4	75°4	0.89	79°8	81°6	WSW	0.3					
1 a. m.	.680	.831	79.0	76.0	3.0	74.8	.88	80.0	81.5	„	0.1					
2 „	.666	.817	79.0	76.0	3.0	74.8	.88	80.0	81.5	„	0.1					
3 „	.660	.804	78.4	76.0	2.4	75.1	.90	78.6	81.4	W b S	0.5					
4 „	.671	.839	77.0	75.0	2.0	74.2	.91	77.4	81.3	NW	0.1	0.07				
5 „	.672	.801	77.0	76.0	1.0	75.6	.96	78.2	81.1	W b N	0.3	0.10				
6 „	.680	.804	77.6	76.3	1.3	75.8	.94	78.6	81.0	WNW	0.2	0.02				
7 „	.698	.821	77.2	76.2	1.0	75.8	.96	78.2	80.8	„	0.1	0.08				
8 „	.716	.817	78.0	77.0	1.0	76.6	.96	79.2	80.7	W b S	0.1	0.07				
9 „	.729	.905	77.7	75.0	2.7	73.9	.89	78.4	80.7	WNW	0.4					
10 „	.725	.795	80.8	78.5	2.3	77.7	.91	81.8	81.1	„	0.1					
11 „	.724	.818	81.4	78.1	3.3	76.8	.87	81.6	81.4	„	0.2					
Noon.	.702	.829	82.2	77.5	4.7	75.7	.81	83.0	81.5	„	0.4		None.	None.	None.	None.
1 p. m.	.685	.794	82.4	78.0	4.4	76.3	.82	82.8	81.6	W b S	0.1					
2 „	.673	.791	83.2	78.0	5.2	76.0	.80	84.0	81.8	W b N	0.1					
3 „	.655	.775	83.4	78.0	5.4	75.9	.79	84.0	81.9	W	0.1					
4 „	.647	.758	82.5	78.0	4.5	76.3	.82	83.2	82.0	W b S	0.1					
5 „	.641	.727	82.2	78.5	3.7	77.1	.85	82.9	82.0	„	0.0					
6 „	.649	.762	81.2	77.6	3.6	76.2	.85	81.8	81.9	WSW	0.0					
7 „	.657	.784	80.4	77.0	3.4	75.7	.86	81.2	81.8	„	0.1					
8 „	.680	.807	80.4	77.0	3.4	75.7	.86	81.2	81.7	„	0.0					
9 „	.700	.859	79.7	76.0	3.7	74.5	.85	80.4	81.7	SW	0.1					
10 „	.707	.847	78.0	76.0	2.0	75.2	.92	78.8	81.4	NW b W	0.2	0.02				
11 „	.700	.818	77.8	76.5	1.3	76.0	.94	79.2	81.4	WSW	0.0					
Aug. 21st-Midnight	.683	.849	77.6	75.2	2.4	74.3	.90	78.8	81.2	SSW	0.1					
1 a. m.	.663	.803	78.0	76.0	2.0	75.2	.92	79.2	81.1	SW	0.1					
2 „	.648	.827	78.0	75.0	3.0	73.8	.87	79.4	81.0	WSW	0.1					
3 „	.643	.818	77.6	75.0	2.6	73.9	.89	79.0	81.0	SW b W	0.1					
4 „	.647	.789	78.2	76.0	2.2	75.1	.91	79.2	80.9	„	0.1					
5 „	.642	.780	77.8	76.0	1.8	75.3	.92	79.2	80.8	WSW	0.1					
6 „	.651	.780	77.0	76.0	1.0	75.6	.96	78.4	80.6	WNW	0.1	0.30				
7 „	.663	.771	77.2	76.6	0.6	76.4	.97	78.7	80.6	WSW	0.1	0.03				
8 „	.682	.721	79.8	79.0	0.8	78.7	.97	80.5	80.9	„	0.1	0.01				
9 „	.688	.762	81.9	78.7	3.2	77.5	.87	82.9	81.2	„	0.1					
10 „	.688	.721	84.3	80.3	4.0	78.9	.84	84.2	81.5	W b S	0.0					
11 „	.678	.723	84.9	80.2	4.7	78.5	.82	85.0	81.8	W	0.1					
Noon.	.662	.711	85.3	80.2	5.1	78.4	.80	85.2	82.0	„	0.1		None.	None.	None.	None.
1 p. m.	.639	.741	85.5	79.0	6.5	76.6	.75	84.4	82.1	NW b W	0.1					
2 „	.622	.733	86.4	79.0	7.4	76.3	.72	86.2	82.2	„	0.1					
3 „	.608	.694	86.4	79.6	6.8	77.1	.74	86.0	82.5	W	0.1					
4 „	.594	.657	85.8	80.0	5.8	77.9	.78	86.0	82.6	WSW	0.1					
5 „	.600	.720	83.4	78.0	5.4	75.9	.79	83.7	82.5	W	0.1					
6 „	.624	.711	82.2	78.5	3.7	77.1	.85	82.7	82.4	WSW	0.1					
7 „	.640	.740	79.8	77.5	2.3	76.6	.90	80.8	82.0	WNW	0.1	0.12				
8 „	.659	.759	79.4	77.4	2.0	76.6	.92	80.7	81.9	W b N	0.0					
9 „	.684	.767	79.6	77.9	1.7	77.2	.93	80.6	82.0	SW b W	0.0					
10 „	.686	.786	79.4	77.4	2.0	76.6	.92	80.5	81.9	„	0.0					
11 „	.680	.774	79.5	77.6	1.9	76.8	.92	80.6	81.9	„	0.1					
Aug. 22nd-Midnight	.674	.814	77.6	75.9	1.7	75.2	.93	78.6	81.6	SW	0.1	0.03				
1 a. m.	.666	.806	78.0	76.0	2.0	75.2	.92	78.2	81.5	WSW	0.1					
2 „	.652	.790	77.8	76.0	1.8	75.3	.92	78.4	81.4	W	0.1					
3 „	.640	.775	77.5	76.0	1.5	75.4	.94	78.2	81.4	WSW	0.1					
4 „	.641	.772	77.2	76.0	1.2	75.5	.95	78.0	81.3	„	0.1	0.01				
5 „	.641	.756	77.5	76.5	1.0	76.1	.96	78.8	81.2	„	0.1	0.10				
6 „	.650	.759	77.7	76.7	1.0	76.3	.96	78.9	81.2	„	0.1					
7 „	.665	.759	79.2	77.5	1.7	76.8	.93	80.5	81.2	W b S	0.1		None.	None.	None.	None.
8 „	.680	.753	81.0	78.5	2.5	77.6	.90	82.6	81.4	SW	0.1					
9 „	.688	.733	84.2	80.0	4.2	78.5	.84	84.8	81.8	W b S	0.1					
10 „	.685	.784	82.2	78.2	4.0	76.7	.84	82.8	81.7	WNW	0.2					
11 „	.675	.755	84.7	79.3	5.4	77.3	.79	84.9	82.1	W b S	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ≤≥ cirro-strati; ≥≥ cumulo-strati; and ≥≥ nimbi.	
8	L	≥≥ scattered throughout, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.36 in.
8	D	Overcast in two strata with ≥≥, moving E.	
8	D	" " " " "	
8	D	Overcast; light rain accompanied with smart breezes at 3h. 18m.	
8	D	Overcast; raining lightly.	
8	S	" " "	
8	S	" " "	
8	S	" " "	
8	S	" " "	
8	L	Overcast in two strata; a passing shower of rain at 9h. 36m.	
8	L	Overcast with ≥≥, moving E; a few patches of ≥≥ above W hor.	
8	L	Overcast in two strata with ≥≥, moving E.	
8	L	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	L	Overcast with ≥≥ and ≥≥.	
8	L	Overcast with ≥≥, moving E.	
8	S	" " "	
8	S	" " "	
8	L	Overcast; a passing shower at 9h. 42m.	
8	L	Overcast with ≥≥, moving E.	
8	L	" " "	
8	L	Overcast in two strata with ≥≥, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.44 in. At 4 P. M. the height of Barometer was 29.594 ins., being about 0.095 in. lower than the Normal Mean.
8	D	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	D	" " " " "	
8	S	Overcast; rain commenced at 5h. 1m. and ceased at 5h. 48m.	
8	S	Overcast; light rain commenced at 6h. 17m. which ceased at 6h. 32m.	
8	S	Overcast with ≥≥ and ≥≥, the former moving E; light rain at 7h. 30m. which	
6	S	Clouded with ≥≥ and ≥≥, the former moving ENE. [lasted 10m.	
7	L	≥≥ around hor.; ≤ and ≥≥ scattered throughout.	
7	L	≤ and ≥≥ about N, NE, and E hor.; the remainder clouded with ≥≥.	
8	L	≥≥ scattered about, moving E; ≤ and ≥≥ along hor., from SE to SW.	
5	L	≥≥ around hor.; ≤ above them; a few patches of ≥≥ in and about zth.	
6	D	≥≥ scattered throughout, moving E.	
5	D	≥≥ in hor.; ≤ scattered about.	
5	D	≥≥ around hor., moving E; ≤ and ≥≥ scattered about.	
5	D	" " " " " "	
7	S	Densely clouded with ≥≥ and ≤, the former moving E.	
8	S	Clouded as before; rain commenced at 6h. 27m. and ceased at 6h. 37m.	
8	S	Overcast with ≥≥, moving E. [zth.	
8	S	Overcast with ≥≥ and ≤, the former moving E; a few stars dimly visible about	
8	L	Overcast with ≥≥, moving E; a few stars dimly visible in N and NW.	
6	L	≥≥ scattered throughout, except in zth.	
8	L	Overcast with ≥≥, moving E; light rain at 11h. 49m. which lasted 10m.	
8	L	Overcast; light rain 7m. after full hour.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.21 in. On the 22nd, at 1 P. M., the Temperature of Air fell 4°2 in one hour.
8	D	Overcast with ≥≥, moving E.	
8	D	" " "	
8	D	Overcast; drops of rain at 3h. 23m.	
8	D	Overcast; raining lightly.	
8	S	Overcast with ≥≥, moving E.	
8	S	Overcast in two strata, the lower one moving ENE.	
8	S	Overcast with ≥≥ and ≤, the former moving ENE.	
6	S	≥≥ around hor.; otherwise clouded with ≤. [of rain at 9h. 9m.	
7	L	≤ above NW, N, and NE hor; otherwise clouded with ≥≥; a passing shower	
8	L	≥≥ scattered about, moving ESE.	
8	L	≥≥ around hor.; ≤ and ≥≥ scattered throughout.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 22nd-Noon.	29.673	28.734	85°6	80°0	5°6	78°0	0.79	85°4	82°3	W b S	0.1					
1 p. m.	.652	.750	81.4	78.0	3.4	76.7	.86	82.6	82.0	„	0.1	0.05				
2 „	.628	.753	73.8	78.0	5.8	75.8	.77	84.0	82.2	SW b S	0.1					
3 „	.618	.799	83.6	79.0	4.6	77.3	.82	84.2	82.3	W	0.1					
4 „	.611	.743	80.8	77.0	3.8	75.5	.85	81.2	82.2	W b N	0.1					
5 „	.621	.759	81.4	77.0	4.4	75.3	.82	82.2	82.0	WSW	0.2		None.	None.	None.	None.
6 „	.634	.738	80.4	77.6	2.8	76.5	.90	81.2	81.9	W b S	0.2					
7 „	.656	.779	80.0	77.0	3.0	75.8	.88	81.0	81.8	„	0.2					
8 „	.682	.805	80.0	77.0	3.0	75.8	.88	80.7	81.8	WSW	0.1					
9 „	.698	.797	78.6	77.2	1.4	76.7	.94	79.7	81.7	„	0.1	0.03				
10 „	.706	.826	79.0	76.8	2.2	75.9	.91	80.0	81.7	W	0.1					
11 „	.698	.810	79.0	77.0	2.0	76.2	.92	80.2	81.7	WSW	0.1					
Aug. 23rd-Midnight	.680	.816	78.4	76.2	2.2	75.4	.91	79.2	81.5	SW	0.2					
1 a. m.	.661	.764	78.2	77.0	1.2	76.5	.95	79.4	81.4	W b N	0.1					
2 „	.643	.768	78.0	76.4	1.6	75.8	.93	78.6	81.3	WSW	0.1	0.02				
3 „	.634	.768	78.5	76.3	2.2	75.4	.91	79.2	81.2	W b S	0.1					
4 „	.638	.782	78.4	76.0	2.4	75.1	.90	79.4	81.2	WSW	0.1					
5 „	.646	.786	78.0	76.0	2.0	75.2	.92	79.4	81.1	„	0.1					
6 „	.660	.804	78.4	76.0	2.4	75.1	.90	79.5	81.1	SW b W	0.1					
7 „	.678	.810	79.4	76.6	2.8	75.5	.88	80.6	81.1	WSW	0.1					
8 „	.689	.824	81.8	77.2	4.6	75.4	.82	82.2	81.4	„	0.1					
9 „	.699	.807	83.0	78.2	4.8	76.4	.81	83.4	81.5	„	0.1					
10 „	.695	.798	83.8	78.5	5.3	76.5	.80	83.6	81.9	SW	0.1					
11 „	.688	.782	83.7	78.7	5.0	76.8	.81	83.9	82.0	SW b W	0.1		None.	None.	None.	None.
Noon.	.676	.741	86.0	80.0	6.0	77.8	.77	85.6	82.3	SW	0.1					
1 p. m.	.666	.760	84.8	79.0	5.8	76.8	.78	84.2	82.4	WSW	0.1					
2 „	.648	.779	84.4	78.0	6.4	75.5	.75	84.0	82.5	„	0.1					
3 „	.644	.771	84.0	78.0	6.0	75.7	.77	84.2	82.4	„	0.1					
4 „	.632	.759	84.0	78.0	6.0	75.7	.77	84.0	82.4	„	0.1					
5 „	.634	.770	83.0	77.0	6.0	75.4	.77	83.2	82.4	„	0.1					
6 „	.660	.815	79.4	76.0	3.4	74.7	.86	80.2	82.3	„	0.1					
7 „	.670	.828	79.6	76.0	3.6	74.6	.85	80.4	82.2	„	0.1					
8 „	.686	.821	79.4	76.0	3.4	74.7	.86	80.2	82.1	SW	0.1					
9 „	.710	.865	79.4	76.0	3.4	74.7	.86	80.2	81.8	„	0.1					
10 „	.718	.871	79.2	76.0	3.2	74.7	.87	80.0	81.6	„	0.0					
11 „	.710	.861	79.0	76.0	3.0	74.8	.88	80.0	81.5	„	0.0					
Aug. 25th-Midnight	.752	.893	78.8	76.2	2.6	75.2	.89	79.8	81.3	WNW	0.1					
1 a. m.	.732	.878	78.5	76.0	2.5	75.0	.90	80.0	81.3	„	0.1					
2 „	.716	.862	78.5	76.0	2.5	75.0	.90	80.0	81.2	„	0.1					
3 „	.707	.890	78.4	75.0	3.4	73.6	.86	79.2	81.1	„	0.1					
4 „	.713	.878	78.5	75.5	3.0	74.3	.88	79.4	81.0	„	0.1					
5 „	.728	.949	78.4	74.0	4.4	72.1	.82	79.2	81.0	„	0.1					
6 „	.739	29.004	79.0	73.0	6.0	70.3	.76	80.0	81.0	W b N	0.0					
7 „	.751	28.913	80.0	76.0	4.0	74.4	.84	80.7	81.1	WNW.	0.1					
8 „	.768	.890	81.8	77.5	4.3	75.9	.82	80.7	81.2	W b N	0.1					
9 „	.789	.907	83.9	78.2	5.7	76.0	.78	84.5	81.6	„	0.0					
10 „	.788	.884	85.0	79.0	6.0	76.8	.77	84.8	81.7	W	0.0					
11 „	.787	.894	86.0	79.0	7.0	76.4	.74	85.7	82.1	„	0.1		None.	None.	None.	None.
Noon.	.776	.937	81.7	76.5	5.2	74.4	.79	79.0	82.0	„	0.1	0.38				
1 p. m.	.754	.820	82.3	79.0	3.3	77.8	.87	79.3	82.5	WNW	0.0					
2 „	.740	.882	85.4	78.0	7.4	75.1	.72	85.7	82.4	W b N	0.0					
3 „	.712	.821	86.2	79.0	7.2	76.3	.73	86.0	82.4	WNW	0.1					
4 „	.703	.808	85.3	79.0	6.8	76.5	.74	85.2	82.4	„	0.1					
5 „	.710	.898	83.7	76.4	7.3	73.4	.63	83.5	82.4	NW b W	0.1					
6 „	.719	.894	82.0	76.1	5.9	73.9	.77	82.2	82.0	WNW	0.2					
„	.729	.950	80.8	74.7	6.1	72.1	.76	81.2	81.9	„	0.1					
8 „	.742	.961	80.6	74.7	5.9	72.2	.76	81.2	81.9	„	0.1					
9 „	.758	.911	80.6	76.4	4.2	74.7	.83	81.2	81.9	„	0.2					
10 „	.762	.913	80.4	76.4	4.0	74.8	.84	81.2	81.8	NW b W	0.1					
11 „	.749	.892	80.4	76.6	3.8	75.1	.85	81.2	81.8	WNW	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	L	Overcast with ≈, moving E; light rain at 12h. 28m. which lasted 6m.	
8	D	Overcast with ≈, moving E; drops of rain at 1h. 7m.	
8	D	Overcast with ≈, moving E.	
8	D	" " "	
8	D	" " "	
8	S	Overcast in two strata, the lower stratum moving E.	
8	S	" " " " " "	
8	S	Overcast with ≈ and ≈, the former moving E. [lasted 6m.	
8	S	≈ around hor.; dense ≈ scattered throughout; light rain at 8h. 34m. which	
8	L	Overcast with ≈, moving E; a few stars dimly visible about zth.	
8	L	Overcast with ≈, moving E.	
8	L	Overcast; light rain at 11h. 48m. which lasted 5m.	
8	L	Overcast with ≈, moving E; passing showers of rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.02 in. Wind blew abnormally on this day.
8	D	Overcast in two strata; light rain at 1h. 44m. which lasted 9m.	
8	D	Overcast in two strata; drops of rain falling.	
8	D	Overcast with ≈, moving E.	
8	D	" " "	
8	S	≈ around hor.; ≈ in N hem.; ≈ scattered about.	
7	S	≈ around hor., moving ENE; ≈ and ≈ scattered about.	
6	S	" " " " " " "	
7	S	≈ scattered throughout, moving E; a few streaks of ≈ about zth.	
5	L	≈ around hor.; ≈ scattered about.	
7	L	≈ around hor.; otherwise clouded with ≈.	
8	L	≈ around hor.; ≈ scattered elsewhere.	
7	L	≈ around hor.; dense ≈ above E and SE hor.; ≈ scattered about.	
8	D	Overcast with ≈, moving E; a few drops of rain at 1h. 3m.	
8	D	Overcast with ≈, moving E.	
7	D	≈ around hor., moving E; ≈ and ≈ scattered elsewhere.	
8	D	Overcast with ≈, moving E.	
8	D	Overcast; light rain at 5h. 10m. which lasted 10m.	
8	D	Overcast with ≈, moving E.	
8	D	" " "	
8	D	≈ scattered throughout.	
7	D	" " "	
5	D	≈ around hor.; otherwise partially clouded with ≈.	
4	D	≈ scattered about hor.	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.33 in. On the 25th, at noon, the Temperature of Air fell 4°3 in one hour, and was rising again till 3 P. M., also the Temperature of Wet Bulb Thermometer fell 2°5 in one hour, and rose as much for the next. At 6 A. M. the Temperature of Wet Bulb Thermometer was 73°0, the lowest during the month.
7	D	≈ and ≈ scattered throughout.	
5	D	≈ scattered about, moving E.	
2	D	≈ scattered around hor.	
5	D	≈ scattered about.	
8	S	Overcast with ≈ and ≈, the former moving E.	
8	S	" " " " "	
8	S	" " " " "	
8	S	Overcast with ≈, ≈, and ≈.	
8	L	Overcast with ≈ and ≈, the former moving E.	
5	L	≈ around hor.; ≈ from S to N hor.; ≈ above SE and S hor.	
8	L	≈ around hor.; ≈ scattered in N hem.; ≈ above hor. from E to W.	
8	L	Overcast with ≈, moving E; rain commenced at full hour which lasted 8m.	
8	C	Overcast with ≈, moving E.	
3	D	≈ around hor.; ≈ scattered about.	
4	D	" " " "	
4	D	" " " "	
5	C	≈ around hor., moving SE; ≈ scattered about.	
8	C	Overcast with ≈, moving SE.	
6	C	" " "	
3	C	≈ scattered about hor.	
8	L	Overcast with ≈, moving ESE.	
6	L	Light ≈ scattered about, moving E.	
8	L	Overcast with ≈, moving E; a passing shower of rain at 11h. 56m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 26th-Midnight	29.738	28.853	80°0	77°2	2°8	76°1	0.88	81°0	81°7	WNW	0.0					
1 a. m.	.728	.847	79.6	77.0	2.6	76.0	.89	81.0	81.6	,,	0.0					
2 ,,	.705	.860	79.4	76.0	3.4	74.7	.86	80.8	81.5	W	0.1					
3 ,,	.689	.842	79.2	76.0	3.2	74.7	.87	80.4	81.5	WNW	0.0					
4 ,,	.692	.843	79.0	76.0	3.0	74.8	.88	80.2	81.3	Calm.	0.0					
5 ,,	.702	.853	79.0	76.0	3.0	74.8	.88	79.8	81.3	,,	0.0					
6 ,,	.710	.861	79.0	76.0	3.0	74.8	.88	79.7	81.3	,,	0.0					
7 ,,	.740	.892	79.7	76.2	3.5	74.8	.86	80.8	81.3	,,	0.0					
8 ,,	.756	.884	81.8	77.4	4.4	75.6	.83	81.5	81.7	,,	0.0	0.03				
9 ,,	.761	.873	80.9	77.5	3.4	76.2	.86	82.0	81.5	W b N	0.0					
10 ,,	.771	.873	84.4	78.7	5.7	76.6	.78	84.4	81.8	,,	0.0					
11 ,,	.766	.869	85.6	79.0	6.6	76.5	.75	85.0	82.2	,,	0.0		None.	None.	None.	None.
Noon.	.746	.828	83.7	79.0	4.7	77.3	.82	84.2	82.1	NNW	0.2					
1 p. m.	.724	.835	86.4	79.0	7.4	76.3	.72	86.0	82.4	WNW	0.1					
2 ,,	.715	.795	87.4	80.0	7.4	77.3	.73	86.6	82.6	W	0.1					
3 ,,	.700	.780	87.4	80.0	7.4	77.3	.73	87.0	82.7	,,	0.1					
4 ,,	.696	.813	87.0	79.0	8.0	76.0	.71	86.4	82.9	,,	0.1					
5 ,,	.698	.825	85.0	78.0	7.0	75.7	.74	84.9	82.9	,,	0.1					
6 ,,	.709	.867	82.8	76.9	5.9	74.6	.77	83.1	82.6	,,	0.1					
7 ,,	.731	.885	81.8	76.7	5.1	74.7	.80	82.6	82.5	WSW	0.1					
8 ,,	.743	.899	81.6	76.6	5.0	74.6	.80	82.2	82.4	Calm.	0.0					
9 ,,	.755	.907	81.2	76.6	4.6	74.8	.82	82.0	82.4	,,	0.0					
10 ,,	.751	.914	80.8	76.2	4.6	74.4	.82	81.6	82.2	,,	0.0					
11 ,,	.739	.938	79.8	75.0	4.8	73.0	.81	80.9	82.1	,,	0.0					
Aug. 27th-Midnight	.730	.918	79.6	75.2	4.4	73.4	.82	80.3	82.0	W b S	0.1					
1 a. m.	.720	.912	79.2	75.0	4.2	73.3	.83	80.0	81.9	WSW	0.1					
2 ,,	.696	.886	79.0	75.0	4.0	73.3	.84	79.8	81.7	,,	0.0					
3 ,,	.694	.882	78.8	75.0	3.8	73.4	.84	79.8	81.6	,,	0.1					
4 ,,	.703	.891	78.8	75.0	3.8	73.4	.84	79.8	81.5	,,	0.1					
5 ,,	.728	.906	78.6	75.2	3.4	73.8	.86	79.7	81.5	,,	0.0					
6 ,,	.732	.906	78.6	75.3	3.3	74.0	.83	79.7	81.5	,,	0.0					
7 ,,	.751	.891	78.0	76.0	2.0	75.2	.91	79.2	81.3	SW	0.0	0.01				
8 ,,	.774	.849	80.3	76.8	3.5	73.9	.86	80.8	81.6	SW b S	0.2					
9 ,,	.798	.870	82.8	79.0	3.8	77.6	.85	83.2	81.7	SE b E	0.1					
10 ,,	.801	.886	84.4	79.1	5.3	77.2	.80	84.2	82.0	SE	0.1					
11 ,,	.798	.866	86.3	80.0	6.3	77.7	.76	85.4	82.3	SSE	0.1					
Noon.	.781	.842	85.6	80.0	5.6	77.9	.79	85.6	82.4	,,	0.2		None.	None.	None.	None.
1 p. m.	.764	.836	86.6	80.0	6.6	77.6	.75	86.2	82.6	WSW	0.1					
2 ,,	.737	.813	87.0	80.0	7.0	77.5	.74	86.7	82.8	,,	0.1					
3 ,,	.718	.843	87.6	79.0	8.6	75.8	.69	87.2	83.0	,,	0.1					
4 ,,	.711	.864	86.4	78.0	8.4	74.7	.69	86.2	83.1	W	0.1					
5 ,,	.700	.872	84.8	77.1	7.7	74.0	.71	84.8	83.0	W b N	0.1					
6 ,,	.716	.885	82.4	76.5	5.9	74.1	.77	82.0	82.7	,,	0.1					
7 ,,	.737	.922	81.0	75.7	5.3	73.5	.79	81.7	82.5	WNW	0.0					
8 ,,	.758	.926	80.5	76.0	4.5	74.2	.82	81.4	82.5	,,	0.0					
9 ,,	.777	.952	80.4	75.8	4.6	73.9	.82	81.1	82.3	,,	0.0					
10 ,,	.776	.953	80.0	75.6	4.4	73.8	.82	80.7	82.1	,,	0.1					
11 ,,	.775	.935	79.8	76.0	3.8	74.5	.84	80.6	82.0	,,	0.0					
Aug. 28th-Midnight	.766	.932	79.0	75.6	3.4	74.3	0.86	80.0	82.0	WNW	0.0					
1 a. m.	.751	.902	79.0	76.0	3.0	74.8	.88	79.8	81.9	Calm.	0.0					
2 ,,	.734	.878	78.4	76.0	2.4	75.1	.90	79.0	81.8	,,	0.0					
3 ,,	.720	.892	77.4	75.0	2.4	74.0	.90	78.4	81.7	,,	0.0					
4 ,,	.730	.898	77.0	75.0	2.0	74.2	.91	78.2	81.6	,,	0.0					
5 ,,	.740	.881	77.0	75.7	1.3	75.2	.94	78.2	81.4	,,	0.0					
6 ,,	.760	.871	78.2	76.8	1.4	76.3	.94	79.5	81.4	SE b S	0.0		None.	None.	None.	None.
7 ,,	.781	.864	80.0	78.0	2.0	77.2	.92	82.0	81.5	,,	0.0					
8 ,,	.797	.950	79.2	76.0	3.2	74.7	.86	79.8	81.5	WNW	0.0	0.06				
9 ,,	.811	.888	80.2	78.2	2.0	77.4	.92	81.4	81.5	N b W	0.0	0.05				
10 ,,	.812	.893	80.6	78.2	2.4	77.3	.90	81.8	81.5	NE	0.0					
11 ,,	.801	.863	81.9	79.0	2.9	77.9	.88	83.2	81.7	E b N	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
8	L	Overcast with ≀∩, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.04 in.
6	D	≀∩ scattered about.	
4	D	" " "	
5	D	" " "	
5	D	" " "	
4	C	≀∩ scattered about hor., from NE to SE.	
4	C	≀∩ scattered about SE hem., moving S.	
5	C	≀∩ scattered about hor.	
5	C	" "	
5	L	≀∩ from W to NE hor.; ≀≀ along E hor.; dense ≀ scattered about.	
4	L	≀∩ around hor.; ≀≀ scattered here and there.	
6	L	≀∩ scattered about; ≀ in E.; a passing shower of rain at 11h. 19m.	
8	L	≀≀ and ≀ above SW, W, and NW hor.; ≀∩ scattered throughout, moving E.	
8	D	Overcast with ≀∩, moving E.	
5	D	≀∩ scattered about hor., moving E.	
4	D	≀∩ scattered about, moving E.	
5	D	" " " "	
6	C	≀∩ scattered throughout, except in zth., moving SE.	
8	C	Overcast with ≀∩, moving S.	
8	L	Overcast in two strata with ≀∩, moving E.	
8	L	" " " " "	
8	L	≀∩ scattered about, moving E.	
3	L	≀∩ scattered around hor.	
5	L	Light ≀∩ scattered about, moving E.	
2	L	Light ≀∩ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.01 in. At 3 P. M., the Temperature of Air was 87.6, the highest during the month, being 3°4 greater than the Normal Mean.
4	D	Light ≀∩ scattered about hor.	
5	D	≀∩ scattered about.	
4	D	≀∩ around hor.; ≀≀ and ≀ scattered about.	
6	D	≀∩ scattered throughout, moving SE.	
6	C	" " " "	
7	C	≀∩ scattered throughout, moving S.	
8	C	Overcast with ≀∩ and ≀, the former moving E.	
7	L	≀∩ around hor., moving E; ≀ scattered about, moving W.	
4	L	≀∩ and ≀ scattered around hor.; a few ≀≀ above E hor.	
6	L	Dense ≀ scattered in E. hem.; ≀≀ around hor.	
8	C	Overcast with light ≀∩ and ≀.	
7	L	≀∩ around hor.; dense ≀ scattered throughout, except about W hor.	
5	D	≀∩ around hor.; ≀ and ≀≀ scattered about.	
5	D	" " " " "	
3	D	≀∩ scattered about, moving E.	
5	D	≀∩, ≀, and ≀≀ scattered about, ≀∩ moving E.	
5	C	≀∩ and ≀ scattered about, the former moving E.	
3	C	≀∩ and a few ≀ scattered about hor., the former moving E.	
2	C	" " " " " " "	
1	C	≀∩ scattered around hor.	
2	L	Light ≀∩ in hor. and about zth.	
2	L	Light ≀∩ scattered around hor.	
2	L	" " " "	
4	L	Light ≀∩ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.12 in. Wind blew abnormally on this day; at 10 A. M. the height of Barometer was 29.812, which was about 0.023 higher than the Normal Mean.
3	D	Light ≀∩ scattered about hor.	
4	D	Light ≀∩ scattered about, moving E.	
1	D	A few patches of clouds around hor.	
1	D	" " " "	
3	C	≀∩ scattered in E hem., moving E.	
3	C	≀∩ scattered about hor., moving S.	
6	C	≀∩ and ≀ scattered throughout, the former moving E; light rain at 7h. 45m.	
5	C	≀∩ scattered about, moving S; rain ceased at 8h. 25m.	
7	L	Densely clouded with ≀∩; ≀ about zth. and E.	
8	L	≀∩ and ≀≀ scattered throughout, both moving E.	
7	L	≀∩ around hor.; otherwise clouded with ≀ and ≀≀.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 28th–Noon.	29.779	28.855	83°2	79°0	4°2	77°5	0.83	83°7	82°0	E b N	0.0					
1 p. m.	.755	.853	81.4	78.0	3.4	76.7	.86	82.2	81.7	SSW	0.0					
2 „	.734	.810	83.2	79.0	4.2	77.5	.83	84.3	82.0	WSW	0.1					
3 „	.720	.874	82.3	77.0	5.3	74.7	.77	83.2	82.1	W b N	0.1					
4 „	.706	.822	83.0	78.0	5.0	76.1	.80	83.4	82.2	WNW	0.2					
5 „	.711	.884	81.0	76.0	5.0	74.0	.80	81.6	82.0	„	0.1					
6 „	.719	.845	80.6	77.1	3.5	75.7	.85	81.4	82.0	„	0.0					
7 „	.735	.933	79.3	75.3	4.0	73.0	.83	80.2	81.8	WSW	0.0		None.	None.	None.	None.
8 „	.768	.924	79.2	76.2	3.0	74.6	.87	80.2	81.8	„	0.0					
9 „	.779	.902	78.6	76.6	2.0	75.8	.92	79.5	81.6	SW b W	0.0					
10 „	.777	.889	79.0	77.0	2.0	76.2	.92	80.0	81.6	W	0.1					
11 „	.774	.925	77.6	75.6	2.0	74.8	.92	78.9	81.4	NNW	0.1	0.01				
Aug. 29th–Midnight	.661	.901	77.6	75.9	1.7	75.2	.93	78.7	81.3	WNW	0.0					
1 a. m.	.727	.867	78.0	76.0	2.0	75.2	.92	78.8	81.2	WSW	0.0					
2 „	.716	.652	77.6	76.0	1.6	75.4	.93	78.6	81.2	Calm	0.0					
3 „	.703	.841	77.8	76.0	1.8	75.3	.92	78.6	81.2	„	0.0					
4 „	.701	.841	78.0	76.0	2.0	75.2	.92	79.2	81.1	„	0.0					
5 „	.721	.871	77.8	75.7	2.1	74.8	.91	78.4	81.2	„	0.0					
6 „	.721	.854	77.4	76.0	1.4	75.5	.94	78.8	81.0	SSW	0.0	0.01				
7 „	.745	.874	77.0	76.0	1.0	75.7	.96	78.2	80.7	NNE	0.0	0.17				
8 „	.769	.883	77.8	76.6	1.2	76.1	.95	79.2	80.8	ENE	0.0					
9 „	.777	.868	78.6	77.4	1.2	76.9	.95	79.9	80.9	„	0.0	0.02				
10 „	.768	.831	79.7	78.4	1.3	77.9	.95	80.8	81.0	ESE	0.1	0.02				
11 „	.757	.803	82.4	79.5	2.9	78.5	.88	82.6	81.3	„	0.1	0.13				
Noon.	.738	.776	82.8	79.8	3.0	78.7	.88	83.4	81.4	„	0.0		None.	None.	None.	None.
1 p. m.	.719	.812	82.8	78.5	4.3	76.9	.83	84.0	81.8	W b N	0.0					
2 „	.683	.787	85.7	79.0	6.7	76.5	.75	85.0	82.0	WNW	0.1					
3 „	.658	.763	85.8	79.0	6.8	76.5	.74	85.2	82.2	W b N	0.1					
4 „	.645	.772	84.0	78.0	6.0	75.9	.77	84.2	82.1	NW b W	0.1					
5 „	.654	.770	83.0	78.0	5.0	76.1	.81	83.0	82.0	WNW	0.1					
6 „	.678	.851	81.0	76.0	5.0	74.0	.80	81.4	82.0	„	0.1					
7 „	.697	.862	80.3	76.0	4.3	74.3	.82	81.0	81.8	W b N	0.0					
8 „	.713	.875	80.0	76.0	4.0	74.4	.84	80.9	81.7	W	0.1					
9 „	.714	.870	80.2	76.2	4.0	74.6	.84	81.0	81.7	WSW	0.0					
10 „	.728	.880	79.8	76.2	3.6	74.8	.85	80.6	81.5	„	0.1					
11 „	.714	.856	79.6	76.4	3.2	75.1	.87	80.2	81.5	„	0.1					
Aug. 30th–Midnight	.697	.848	79.4	76.1	3.3	74.8	.86	80.0	81.5	WSW	0.1					
1 a. m.	.680	.842	78.6	75.6	3.0	74.4	.88	80.0	81.4	„	0.0					
2 „	.654	.823	78.5	75.4	3.1	74.1	.87	79.8	81.3	„	0.0					
3 „	.642	.786	78.4	76.0	2.4	74.1	.90	79.4	81.2	W b S	0.0					
4 „	.639	.772	77.4	76.0	1.4	75.5	.94	78.2	81.2	WSW	0.0					
5 „	.668	.808	78.0	76.0	2.0	75.2	.91	77.9	81.1	WNW	0.0	0.07				
6 „	.675	.818	77.5	75.8	1.7	75.1	.92	78.2	81.0	„	0.0					
7 „	.687	.809	78.8	76.7	2.1	75.9	.91	77.9	81.1	„	0.1	0.10				
8 „	.707	.825	77.8	76.5	1.3	76.0	.94	78.2	80.5	NW	0.2	0.05				
9 „	.715	.806	79.2	77.6	1.6	76.9	.93	80.2	80.8	WNW	0.3					
10 „	.715	.795	81.2	78.4	2.8	77.3	.89	82.2	81.1	W b N	0.6					
11 „	.716	.755	83.6	80.0	3.6	78.7	.86	83.9	81.5	W	0.4		None.	None.	None.	None.
Noon.	.700	.797	82.8	78.4	4.4	76.7	.83	83.2	81.7	„	0.4					
1 p. m.	.670	.748	83.4	79.0	4.4	77.4	.83	84.0	81.7	„	0.2					
2 „	.656	.743	84.2	79.0	5.2	77.1	.80	84.4	82.0	„	0.2					
3 „	.644	.785	81.6	77.0	4.6	75.2	.82	82.2	81.8	„	0·3					
4 „	.637	.764	80.4	77.0	3.4	75.7	.86	80.2	81.7	W b N	½ to 2					
5 „	.643	.783	78.0	76.0	2.0	75.2	.91	78.9	81.2	WNW	0.6	0.02				
6 „	.648	.808	77.0	75.6	1.4	75.2	.94	78.0	81.2	WSW	0.6	0.08				
7 „	.684	.813	77.0	76.0	1.0	75.6	.95	78.0	81.1	„	0.0	0.11				
8 „	.717	.857	78.0	76.0	2.0	75.2	.91	78.9	81.2	„	0.0					
9 „	.721	.857	77.6	76.0	1.6	75.4	.93	78.0	81.0	W	0 3	0.07				
10 „	.724	.851	76.8	76.0	0.8	75.7	.97	78.2	80.9	W b S	0.2	0.06				
11 „	.718	.865	77.2	75.6	1.6	75.0	.93	77.4	80.8	SW	0.4	0.20				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	
8	L	≀∩ scattered throughout, moving E; a few patches of ≀∩ in SE; rain com-	
8	D	Overcast with ≀∩, moving E. [menced at 12h. 12m. and ceased at 12h. 54m.	
7	D	≀∩ scattered throughout, moving E.	
8	D	" " " "	
8	D	" " " "	
8	C	" " " "	
8	C	" " " "	
8	C	" " " "	
4	C	≀∩ scattered in E hem.	
2	L	≀∩ scattered about hor.	
8	L	Overcast with ≀∩, moving E; light rain at 10h. 13m. which lasted 6m.	
8	L	Overcast with ≀∩, moving E.	
7	L	≀∩ scattered throughout, except about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.36 in. Wind blew abnormally; the Range of Barometer was 0.132, the highest during the month.
5	D	≀∩ scattered about, moving E.	
4	D	" " " "	
4	D	" " " "	
3	D	≀∩ scattered about hor., moving E.	
7	C	≀∩ scattered throughout, moving E.	
7	C	Densely clouded with ≀∩, moving E; rain commenced at 5h. 10m.	
8	C	Overcast with ≀∩; moving E; rain ceased at 6h. 25m.	
8	L	Overcast in two strata, the lower stratum of ≀∩, moving E.	
8	L	Overcast; rain ceased at 9h. 8m. [9m. and ceased at 10h. 21m.	
8	L	≀∩ scattered throughout, moving E; ≀ and ≀∩ in E; rain commenced at 10h.	
6	L	≀∩ scattered throughout, moving E; ≀ in E hem.	
5	L	≀∩ scattered about, moving E; a passing shower of rain at 12h. 38m.	
6	D	≀∩ scattered throughout, moving E.	
7	D	≀∩ around hor.; ≀ scattered throughout.	
8	D	Overcast with ≀∩ and ≀, the former moving E.	
7	D	" " " " "	
8	L	≀∩ around hor.; otherwise clouded with ≀; a few patches of ≀∩ about zth.	
8	C	Overcast with ≀∩, ∩, and ≀; ≀∩ moving E.	
6	C	≀∩ scattered about, moving E.	
5	C	" " " "	
7	L	" " " "	
5	L	" " " "	
3	L	≀∩ scattered about hor.	
2	L	≀∩ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.82 in. The force of Wind was greater than 1.0 lb.; at 4 A. M. the height of Barometer was 29.715, which was about 0.070 lower than the Normal Mean.
6	D	≀∩ scattered around hor.; ≀ scattered throughout.	
5	D	" " " " " "	
6	D	≀∩ around hor.; ≀ scattered about; light rain at 3h. 37m.	
8	D	Overcast with ≀∩, moving E; a few stars dimly visible.	
8	C	Overcast with ≀∩, moving E; passing showers of rain.	
8	C	≀∩ and ≀ scattered throughout.	
8	C	Overcast; rain commenced at 7h. 25m.	
5	C	≀∩ scattered about, moving E; rain ceased at 8h. 5m.	
8	L	≀∩ scattered throughout, moving E; ≀∩ and ≀ above NW and W hor.	
8	L	≀∩ scattered throughout, moving E; ≀∩ and dense ≀ in SW.	
7	L	≀∩ and ≀ scattered about, moving E; a few patches of ≀∩ in SW and S.	
8	L	Overcast with ≀∩, moving E.	
8	D	" " "	
8	D	" " "	
8	D	" " " [and lasted 13m.	
8	D	Overcast; light rain at 4h. 2m. which lasted 9m.; it again commenced at 4h. 32m.	
8	C	Overcast; rain commenced at 5h. 25m.	
8	C	Overcast; rain ceased at 6h. 35m.	
4	C	≀∩ scattered about, moving E.	
3	C	" " " " light rain at 8h. 40m. which lasted 5m.	
8	L	Overcast with ≀∩, moving E; passing showers of rain.	
8	L	Overcast; rain commenced at 10h. 14m. and ceased at 10h. 48m.	
8	L	Overcast; rain commenced at full hour and ceased at 11h. 36m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Aug. 31st-Midnight	29.698	28.807	77°7	76°7	1°0	76°3	0.96	78°7	80°8	WSW	0.1	0.11				
1 a. m.	.688	.819	77.2	76.0	1.2	75.5	.95	78.3	80.7	SW	0.2	0.02				
2 „	.671	.828	76.0	75.0	1.0	74.6	.96	76.4	80.5	WSW	½ to 3	0.06				
3 „	.668	.825	76.0	75.0	1.0	74.6	.96	77.0	80.4	W	0.0	0.02				
4 „	.669	.837	77.0	75.0	2.0	74.2	.91	78.2	80.3	„	1.0					
5 „	.681	.850	77.1	75.0	2.1	74.1	.90	78.3	80.3	W b S	0.7					
6 „	.683	.858	77.6	75.0	2.6	73.9	.89	78.3	80.4	WSW	0.6					
7 „	.695	.847	78.0	75.7	2.3	74.8	.90	78.9	80.5	W b S	0.5					
8 „	.732	.883	79.0	76.0	3.0	74.8	.87	79.9	80.5	W	0.5					
9 „	.743	.913	78.6	75.4	3.2	74.1	.87	79.3	80.4	WSW	½ to 3					
10 „	.741	.870	78.4	76.4	2.0	75.6	.92	80.0	80.5	„	½ to 1¼					
11 „	.729	.842	80.6	77.4	3.2	76.2	.87	81.2	80.7	WNW	0.1					
Noon.	.714	.822	80.8	77.6	3.2	76.4	.87	81.2	80.8	WSW	0.6	0.06	None.	None.	None.	None.
1 p. m.	.689	.830	81.6	77.0	4.6	75.0	.82	82.0	81.0	W b S	½ to 1					
2 „	.677	.760	83.8	79.0	4.8	77.2	.81	84.2	81.2	WSW	½ to 1¾					
3 „	.665	.816	79.0	76.0	3.0	74.8	.88	80.0	80.8	WNW	0.1					
4 „	.665	.844	78.0	75.0	3.0	73.8	.87	78.4	80.6	W b N	½ to 2	0.01				
5 „	.673	.841	77.0	75.0	2.0	74.2	.91	77.7	80.5	„	½ to 2⅜	0.02				
6 „	.689	.884	78.0	74.5	3.5	73.2	.86	78.2	80.8	WSW	1.2					
7 „	.696	.849	79.2	76.0	3.2	74.7	.87	79.7	80.8	„	½ to 4½					
8 „	.724	.879	79.4	76.0	3.4	74.7	.86	79.9	80.9	„	1 to 4⅝					
9 „	.739	.885	77.8	75.8	2.0	75.0	.91	78.8	80.5	„	1.5	0.01				
10 „	.747	.930	78.4	75.0	3.4	73.6	.86	78.8	80.6	„	4.5					
11 „	.742	.934	77.8	74.6	3.2	73.3	.87	78.2	80.5	„	¼ to 4					
Sept. 2nd-Midnight	.759	.848	79.8	77.8	2.0	77.0	.92	80.0	80.8	SW b W	½ to 1¼					
1 a. m.	.740	.874	79.6	76.6	3.0	75.4	.88	80.0	80.8	WSW	½ to 2					
2 „	.724	.879	79.4	76.0	3.4	74.7	.86	79.8	80.7	„	½ to 1¾					
3 „	.709	.860	79.0	76.0	3.0	74.8	.88	79.8	80.6	W	½ to 2					
4 „	.711	.862	79.0	76.0	3.0	74.8	.88	78.7	80.7	W b S	½ to 2					
5 „	.728	.877	78.8	76.0	2.8	74.9	.88	79.5	80.8	„	½ to 1½					
6 „	.742	.911	79.2	75.6	3.6	74.1	.85	79.8	80.8	WSW	¼ to 1½					
7 „	.759	.919	79.9	76.0	3.9	74.5	.85	80.6	80.8	W b S	0.5					
8 „	.778	.916	81.3	77.0	4.3	75.3	.83	82.0	81.0	WSW	½ to 1⅜					
9 „	.785	.903	82.4	77.8	4.6	76.0	.82	82.9	81.0	W b S	½ to 2¼					
10 „	.790	.893	82.6	78.2	4.4	76.5	.83	83.0	81.2	WSW	½ to 2					
11 „	.784	.915	83.6	77.8	5.8	75.5	.78	83.5	81.5	W	0.5					
Noon.	.776	.869	84.0	78.8	5.2	76.9	.80	84.2	81.5	„	0.6		None.	None.	None.	None.
1 p. m.	.752	.837	84.0	79.0	5.0	77.2	.81	84.0	81.6	WSW	0.3					
2 „	.734	.817	83.8	79.0	4.8	77.2	.81	84.2	81.8	„	0.4					
3 „	.723	.843	83.4	78.0	5.4	75.9	.79	84.0	81.9	„	0.1					
4 „	.717	.826	82.4	78.0	4.4	76.3	.82	83.2	81.8	W b S	0.1					
5 „	.708	.835	81.5	77.3	4.2	75.7	.83	82.0	81.8	WSW	0.1					
6 „	.722	.856	80.6	76.9	3.7	75.4	.85	81.2	81.6	„	0.2					
7 „	.733	.886	80.2	76.3	3.9	74.7	.84	80.5	81.6	„	0.1					
8 „	.744	.875	80.0	76.8	3.2	75.5	.87	80.4	81.5	„	0.1					
9 „	.658	.895	79.9	76.6	3.3	75.3	.86	80.5	81.5	SW b W	0.4					
10 „	.758	.898	79.4	76.4	3.0	75.2	.88	80.2	81.4	WSW	0.2	0.01				
11 „	.757	.897	79.4	76.4	3.0	75.2	.88	80.2	81.3	„	0.4					
Sept. 3rd-Midnight	.741	.867	79.5	76.8	2.7	75.7	.89	80.2	81.3	SW b W	0.6					
1 a. m.	.728	.883	79.4	76.0	3.4	74.7	.86	80.0	81.2	„	¼ to 1¼					
2 „	.716	.869	79.2	76.0	3.2	74.7	.87	79.8	81.1	„	¼ to 1¾					
3 „	.709	.862	79.2	76.0	3.2	74.7	.87	79.6	81.0	„	¼ to 2					
4 „	.702	.853	79.0	76.0	3.0	74.8	.88	79.7	81.0	WSW	¼ to 1¾					
5 „	.720	.873	79.2	76.0	3.2	74.7	.87	79.7	81.1	„	0.6					
6 „	.738	.892	79.3	76.0	3.3	74.7	.86	79.8	81.1	„	0 to 1¼		None.	None.	None.	None.
7 „	.750	.890	79.8	76.5	3.3	75.2	.86	80.4	81.0	W b S	0.2					
8 „	.770	.877	80.0	77.4	2.6	76.4	.89	80.8	81.0	WSW	0.1	0.07				
9 „	.783	.895	82.6	78.0	4.6	76.2	.82	82.8	81.3	„	0.2					
10 „	.785	.918	83.4	77.7	5.7	75.5	.78	83.2	81.5	„	0.2					
11 „	.776	.897	84.2	78.2	6.0	76.9	.77	84.0	81.7	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌒ cirro-strati; ⌒≀ cumulo-stratí; and ∿≀ nimbi.	
7	L	Densely clouded with ∿≀; rain commenced at 45m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0.26 in. On the 31st, at 3 P. M., the Temperature of Air fell 4°8, and that of Wet Bulb Thermometer fell 3°0 in one hour respectively; also the Temperature in contact with the Surface of Ground fell 4°2 in one hour. Squally Wind, Maximum Pressure 4.5 lbs. At 4 P. M. the Temperature of External Air was 73.0, which was about 10°2 lower than the Normal Mean value for that hour.
8	D	Overcast; raining lightly; light gusts of wind.	
8	D	Overcast with ∿≀; gusts of wind.	
8	D	" " " "	
8	D	" " " "	
8	C	" " " "	
8	C	Overcast with ∿≀, moving E.	
8	C	∿≀ scattered throughout, moving E.	
8	C	Overcast with ∿≀, moving E.	
8	L	Overcast; light rain at 9h. 3m. which lasted 13m.	
8	L	Overcast with ∿≀, moving E.	
8	L	∿≀ scattered throughout, moving E; ∿≀ in W and zth.; light rain at 11h. 40m.	
8	L	∿≀ in SW; ∿ in W; ∿≀ scattered about, moving E.	
6	D	∿≀ around hor.; ∿ and ∿≀ scattered about. [which lasted 7m.	
8	D	Overcast with ∿≀ and light ∿≀, the former moving E; light rain at 2h. 31m.	
8	D	Overcast; light rain at 3h. 54m.	
8	D	Overcast; light rain at 4h. 40m. which lasted 17m.	
8	C	Overcast; with ∿≀, moving E.	
8	C	" " " "	
5	C	∿≀ scattered about, moving E; a few ∿ in zth. [lasted 6m.	
7	C	∿≀ and ∿ scattered about, the former moving ESE; light rain at 8h. 8m. which	
6	C	∿≀ and ∿ scattered about, the former moving ESE.	
4	C	" " " " "	
1	C	Clear, except a few ∿ in hor.	
6	L	∿≀ scattered throughout, except about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°8. Daily fall of rain by Osler's Gauge 0.00 in. On the 2nd squally Wind in the morning, Maximum Pressure 2¼ lbs.
8	D	Overcast with ∿≀, moving E.	
8	D	" " "	
4	D	∿≀ scattered about, moving E; light rain at 3h. 51m.	
8	D	Overcast with ∿≀, moving E; a few drops of rain 4h. 10m.	
8	C	Overcast with ∿≀, moving E.	
8	C	Overcast with ∿≀, moving ESE.	
8	C	∿≀ scattered throughout, moving ESE.	
8	C	" " " " " [9h. 12m. which lasted 3m.	
8	L	∿≀ scattered throughout, moving E; a few patches of ∿≀ in S; light rain at	
7	L	∿≀ around hor., moving E; ∿≀ and ∿ scattered about zth.	
8	L	Overcast in two strata with ∿≀, moving E.	
8	L	" " " " "	
8	D	Overcast with ∿≀, moving E.	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	C	Overcast; a few drops of rain at 5h. 10m.	
8	C	Overcast with ∿≀, moving E.	
7	C	Densely clouded with ∿≀, moving E; passing showers of rain.	
7	C	Densely clouded as before, but no rain.	
8	L	Overcast with ∿≀, moving E; a passing shower of rain at 9h. 12m.	
4	L	∿≀ scattered about, moving E.	
8	L	Overcast with ∿≀, moving E.	
4	L	∿≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°8. Daily fall of rain by Osler's Gauge 0.08 in. On the 3rd the second Minimum of Barometer a little earlier; squally Wind in the morning, Maximum Pressure 2.0 lbs.
6	D	" " " "	
7	D	" " " "	
3	D	∿≀ scattered around hor.	
3	D	" " "	
7	C	∿≀ scattered about, moving E.	
8	C	∿≀ and ∿ scattered throughout, the former moving E.	
8	C	Overcast with ∿≀ moving E; rain commenced at 7h. 18m. & ceased at 7h. 42m.	
8	L	∿≀ around hor.; ∿≀ scattered throughout, except in W and zth.; ∿ in S & SE.	
7	L	∿≀ and ∿≀ scattered throughout, the latter moving E.	
8	L	∿≀ in hor. and in S hem.; ∿≀ scattered throughout.	
6	L	∿≀ around hor.; otherwise clouded with ∿≀.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 3rd—Noon.	29.766	28.903	84°9	78°0	6°9	75°3	0.74	84°6	82°0	WSW	0.4					
1 p. m.	.726	.864	85.0	88.0	7.0	75.3	.74	84.4	82.1	„	0.3					
2 „	.721	.826	85.8	79.0	6.8	76.5	.74	84.8	82.2	W b S	0.2					
3 „	.720	.846	85.4	78.4	7.0	75.7	.74	85.2	82.4	„	0.1					
4 „	.723	.861	85.0	78.0	7.0	75.3	.74	85.0	82.5	WSW	0.1					
5 „	.726	.885	83.3	77.0	6.3	74.5	.76	83.0	82.4	„	0.1					
6 „	.739	.911	81.3	76.1	5.2	74.0	.79	81.6	82.1	„	0.2					
7 „	.752	.916	80.6	76.1	4.5	74.3	.82	81.0	82.0	„	0.1		None.	None.	None.	None.
8 „	.761	.923	80.0	76.0	4.0	74.4	.84	80.2	81.9	„	0.1					
9 „	.763	.925	79.6	75.9	3.7	74.4	.85	80.2	81.7	„	0.1					
10 „	.773	.913	79.8	76.5	3.3	75.2	.86	80.2	81.6	„	0.3					
11 „	.763	.930	79.7	75.8	3.9	74.2	.84	80.1	81.6	„	0.3					
Sept. 4th—Midnight	.747	.912	79.5	75.8	3.7	74.3	.85	80.0	81.6	WSW	0.2					
1 a. m.	.735	.890	79.4	76.0	3.4	74.7	.86	80.0	81.4	SW b W	0.1					
2 „	.715	.870	79.4	76.0	3.4	74.7	.88	79.8	81.3	WSW	0.1					
3 „	.707	.860	79.2	76.0	3.2	74.7	.87	79.7	81.3	„	0.1					
4 „	.719	.874	79.4	76.0	3.4	74.7	.86	80.0	81.3	W	0.1					
5 „	.734	.904	79.6	75.7	3.9	74.1	.84	80.0	81.3	„	0.2					
6 „	.744	.906	79.6	75.9	3.7	74.4	.85	80.1	81.3	„	0.1					
7 „	.768	.910	80.0	76.5	3.5	75.1	.86	80.3	81.3	W b S	0.1					
8 „	.776	.923	81.2	77.5	3.7	74.9	.86	82.0	81.4	WSW	0.0					
9 „	.795	.912	83.1	78.0	5.1	76.0	.80	83.6	81.6	„	0.2					
10 „	.802	.926	84.8	78.3	6.5	75.8	.75	84.7	82.0	WNW	0.2					
11 „	.800	.884	85.0	79.3	5.7	77.2	.78	85.0	82.2	„	0.3		None.	None.	None.	None.
Noon.	.792	.912	83.4	78.0	5.4	75.4	.79	83.6	82.1	WSW	0.3					
1 p. m.	.773	.888	85.2	78.6	6.6	76.1	.75	85.4	82.3	W b S	0.2					
2 „	.749	.858	86.2	79.0	7.2	76.3	.73	86.0	82.4	W b N	0.1					
3 „	.745	.883	85.0	78.0	7.0	75.3	.74	84.6	82.6	W	0.1					
4 „	.752	.912	83.4	77.0	6.4	74.5	.75	83.2	82.6	W b N	0.1					
5 „	.756	.892	81.2	77.0	4.2	75.4	.83	81.2	82.3	WNW	0.1					
6 „	.765	.888	79.6	76.9	2.7	75.8	.88	80.2	82.0	W b N	0.1	0.01				
7 „	.783	.929	79.6	76.3	3.3	75.0	.86	80.8	82.0	„	0.0					
8 „	.797	.942	79.5	76.0	3.5	75.0	.85	80.2	81.9	„	0.0					
9 „	.807	.968	79.5	75.9	3.6	74.4	.85	80.2	81.7	W	0.1					
10 „	.809	.976	79.4	75.7	3.7	74.2	.85	80.1	81.7	„	0.1					
11 „	.795	.964	79.2	75.6	3.6	74.1	.85	79.7	81.6	„	0.1					
Sept. 5th—Midnight	.790	.941	79.0	76.0	3.0	74.8	.88	79.5	81.5	W b S	0.1					
1 a. m.	.758	.909	79.0	76.0	3.0	74.8	.88	79.2	81.2	„	0.1					
2 „	.759	.908	78.2	76.0	2.8	74.9	.88	79.4	81.1	„	0.1					
3 „	.758	.909	79.0	76.0	3.0	74.8	.88	79.2	81.1	WSW	0.1					
4 „	.763	.941	78.2	75.0	3.2	73.7	.87	78.4	81.1	„	0.0					
5 „	.785	.966	78.2	75.0	3.2	73.7	.86	78.3	81.1	„	0.0	0.01				
6 „	.799	.943	78.4	76.0	2.4	75.1	.86	78.5	81.2	„	0.0					
7 „	.823	.949	79.4	77.0	2.4	76.1	.90	80.1	81.3	W	0.0					
8 „	.837	.980	79.7	76.4	3.3	75.1	.86	80.5	81.3	NW	0.1					
9 „	.844	.971	82.9	77.7	5.2	75.7	.80	83.2	81.5	WNW	0.3					
10 „	.854	.981	84.0	78.0	6.0	75.7	.77	84.2	81.8	„	0.1					
11 „	.849	.979	85.8	78.4	7.4	75.6	.72	85.5	82.0	„	0.2					
Noon.	.834	.916	86.8	79.8	7.0	77.3	.74	86.2	82.3	W	0.1		None.	None.	None.	None.
1 p. m.	.808	.919	86.4	79.0	7.4	76.3	.72	86.0	82.5	„	0.1					
2 „	.802	.920	87.0	79.0	8.0	76.0	.71	86.2	82.6	WSW	0.1					
3 „	.777	.884	87.4	79.4	8.0	76.4	.71	86.2	82.8	W	0.1					
4 „	.780	.893	86.5	79.0	7.5	76.2	.72	85.7	82.7	„	0.1					
5 „	.783	.837	84.6	77.5	7.1	74.7	.73	83.5	82.7	„	0.0					
6 „	.791	.956	82.0	76.5	5.5	74.3	.78	81.8	82.5	„	0.0					
7 „	.810	.981	80.8	76.6	4.8	74.1	.81	80.9	82.4	„	0.0					
8 „	.820	.986	80.2	76.0	4.2	74.3	.83	80.4	82.3	W b N	0.0					
9 „	.830	.990	79.8	76.0	3.8	74.5	.84	80.2	82.0	„	0.0					
10 „	.832	.978	78.5	76.0	2.5	75.0	.90	78.9	81.8	W	0.0					
11 „	.823	.967	78.4	76.0	2.4	75.1	.90	78.8	81.7	W b S	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
7	L	≀≀ around hor.; ≀≀ scattered throughout, except in W.	
6	D	≀≀ scattered throughout, moving E.	
2	D	≀≀ scattered about hor.	
3	D	≀≀ and ≀≀ scattered about hor.	
4	D	≀≀ around hor.; ≀≀ scattered in S, NW, and N.	
3	C	≀≀ around hor. and in E; ≀≀ in S.	
6	C	≀≀ scattered about, moving E.	
5	C	" " " "	
2	C	≀≀ scattered around hor. in S and SW.	
3	L	≀≀ scattered about; a few drops of rain at 9h. 58m.	
8	L	Overcast with ≀≀, moving E.	
3	L	≀≀ scattered about hor.	
7	L	Densely clouded with ≀≀; a break N of zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°8. Daily fall of rain by Osler's Gauge 0.01 in.
4	D	≀≀ scattered about.	
7	D	" " "	
6	D	" " "	
7	D	" " "	
5	C	≀≀ scattered about, moving E.	
6	C	" " " "	
8	C	Overcast with ≀≀, moving E.	
8	C	" " " "	
8	L	≀≀ in hor.; ≀≀ scattered throughout, moving E.	
8	L	" " " " " "	
8	L	Overcast with ≀≀ and ≀≀, the former moving E.	
8	L	" " " " " "	
8	L	≀≀ around hor.; otherwise clouded with ≀≀; hazy.	
8	D	≀≀ around hor.; ≀≀ and ≀ scattered throughout.	
8	D	Overcast with ≀≀, ≀, and ≀≀; solar-halo; light rain at 3h. 49m. for 6m.	
8	D	Overcast with ≀≀, moving E.	
8	C	Overcast; light rain at 4h. 40m. which lasted 7m.	
8	C	Overcast; light rain at 5h. 25m. which lasted 12m.	
8	C	Overcast with ≀≀, moving E.	
5	C	" " "	
4	L	≀≀ and a few ≀ scattered about.	
6	L	≀≀ scattered throughout, except in SE and zth.	
4	L	Light ≀≀ scattered about.	
5	L	≀≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.01 in. On the 5th, at 2 A. M., the Barometer rose a little instead of falling. At about 3 P. M. the Temperature of Air was 87.4, being about 3.3 greater than the Normal Mean for that hour; at noon the Temperature of Wet Bulb Thermometer was 79.8, being about 2° higher than the Normal Mean.
6	D	" " "	
8	D	Overcast with ≀≀, moving E.	
7	D	Densely clouded with ≀≀.	
6	D	≀≀ scattered throughout; light rain at 4h. 32m.	
6	C	≀≀ scattered throughout.	
8	C	Overcast with ≀≀, moving E.	
7	C	Densely clouded with ≀≀, moving E.	
8	C	" " " "	
8	L	" " " "	
8	L	≀≀ and ≀≀ scattered about, moving E.	
8	L	" " " " "	
8	L	≀≀ around hor., in SW; otherwise clouded with ≀≀.	
8	D	≀≀ scattered throughout, moving E.	
3	D	≀≀ and ≀≀ scattered about hor.	
5	C	Light ≀≀ in W hem.; ≀≀ in E hem., ≀≀ moving E.	
4	D	≀≀ around hor.; ≀≀ scattered about.	
5	C	" " " "	
5	C	≀≀ scattered about, moving E.	
2	C	Masses of ≀≀ in W and SW; light rain at 7h. 27m. which lasted 8m.	
5	C	Light ≀≀ scattered about, moving E.	
4	L	≀≀ around hor.; ≀≀ scattered in SW and W; light rain at 9h. 40m.	
2	L	≀≀ scattered around hor.	
4	L	≀≀ scattered about hor., moving E; light rain at 11h. 45m. which lasted 8m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 6th-Midnight	29.809	29.007	77°3	74°3	3°0	73°0	0.87	77°0	81°5	WNW.	0.0	0.02				
1 a. m.			Lost.				Lost.			Calm.				Lost.		
2 „	.780	28.939	78.0	75.5	2.5	74.5	.90	78.5	81.3	„	0.0					
3 „	.770	.951	78.2	75.0	3.2	73.7	.87	78.4	81.3	„	0.0					
4 „	.774	.955	78.2	75.0	3.2	73.7	.87	79.0	81.2	„	0.0					
5 „	.790	.969	78.0	75.0	3.0	73.8	.87	79.2	81.2	„	0.0					
6 „	.816	.995	78.0	75.0	3.0	73.8	.87	78.2	81.1	„	0.0					
7 „	.840	29.002	78.6	75.6	3.0	74.4	.87	79.2	81.1	„	0.0					
8 „	.855	.012	80.2	76.2	4.0	74.6	.84	80.4	81.2	W b N	0.0					
9 „	.858	28.993	83.2	77.6	5.6	75.4	.78	83.0	81.5	W	0.2					
10 „	.859	.990	84.4	78.0	6.4	75.5	.76	83.5	81.8	W b S	0.1					
11 „	.857	.970	85.4	78.7	6.7	76.2	.75	84.2	82.0	W b N	0.2					
Noon.	.835	.976	86.0	78.2	7.8	75.2	.71	84.8	82.2	WSW	0.1		None.	None.	None.	None.
1 p. m.	.805	.947	85.4	78.0	7.4	75.1	.72	85.2	82.4	„	0.1					
2 „	.793	.944	86.2	78.0	8.2	74.8	.70	85.0	82.5	W	0.1					
3 „	.783	.938	86.5	78.0	8.5	74.7	.69	85.4	82.6	Calm.	0.0					
4 „	.778	.967	86.0	77.0	9.0	73.4	.67	85.2	82.6	„	0.0					
5 „	.791	.962	84.7	77.1	7.6	74.1	.71	83.9	82.6	„	0.0					
6 „	.800	.990	81.8	75.8	6.0	73.3	.76	81.8	82.4	„	0.0					
7 „	.809	.978	80.6	76.0	4.6	74.1	.82	80.8	82.3	„	0.0					
8 „	.823	.989	80.4	76.0	4.4	74.3	.82	80.6	82.2	„	0.0					
9 „	.835	29.023	80.2	75.4	4.8	73.4	.81	80.2	82.1	WSW	0.0					
10 „	.840	.043	80.2	75.0	5.2	72.9	.79	80.0	82.0	WNW	0.3					
11 „	.832	.011	78.0	75.0	3.0	73.8	.87	78.2	81.6	„	0.1	0.03				
Sept. 8th-Midnight	.844	.014	78.6	75.4	3.2	74.1	.87	79.0	81.5	WNW	0.1					
1 a. m.	.831	.014	78.4	75.0	3.4	73.6	.86	78.2	81.5	W b N	0.0					
2 „	.821	.004	78.4	75.0	3.4	73.6	.86	78.3	81.4	W	0.0					
3 „	.813	28.994	78.2	75.0	3.2	73.7	.87	78.2	81.3	Calm.	0.0					
4 „	.813	29.030	78.0	74.0	4.0	72.3	.83	78.2	81.2	„	0.0					
5 „	.829	.018	78.2	74.8	3.4	73.4	.86	78.2	81.2	„	0.0					
6 „	.847	.036	78.2	74.8	3.4	73.4	.86	78.4	81.0	„	0.0					
7 „	.877	.032	79.4	76.0	3.4	74.7	.86	79.7	81.0	„	0.0					
8 „	.896	.001	81.5	77.4	4.1	76.5	.84	82.0	81.3	WSW	0.0					
9 „	.918	.103	83.1	76.3	6.8	73.5	.74	82.2	81.5	W b S	0.2					
10 „	.921	.092	83.0	76.6	6.4	74.1	.75	82.2	81.5	WNW	0.1					
11 „	.917	.045	80.8	77.1	3.7	75.6	.85	81.4	81.3	NW	0.2					
Noon.	.893	.021	84.1	78.0	6.1	75.6	.77	83.8	81.7	WNW	0.3	None.	None.	None.	None.	None.
1 p. m.	.866	.044	85.0	77.0	8.0	73.8	.70	86.0	82.0	„	0.1					
2 „	.849	28.973	86.5	79.0	7.5	75.8	.72	86.5	82.0	„	0.1					
3 „	.835	29.020	85.6	77.0	8.6	73.5	.68	86.0	82.2	„	0.1					
4 „	.837	.045	84.2	76.0	8.2	72.7	.69	84.2	82.3	NW	0.1					
5 „	.842	.077	82.0	74.4	7.6	71.6	.71	82.5	82.2	NW b N	0.1					
6 „	.853	.069	81.4	75.0	6.4	72.3	.75	81.2	82.0	„	0.1					
7 „	.869	.107	80.6	74.2	6.4	71.4	.75	80.4	81.9	„	0.1					
8 „	.886	.126	80.4	74.2	6.2	71.4	.75	80.2	81.8	„	0.0					
9 „	.897	.094	79.6	75.0	4.6	73.1	.81	79.4	81.6	„	0.0					
10 „	.898	.079	78.2	75.0	3.2	73.7	.87	78.4	81.4	NW	0.0					
11 „	.885	.067	77.6	74.8	2.8	73.6	.88	77.9	81.2	„	0.0					
Sept. 9th-Midnight	.864	.075	77.8	74.1	3.7	72.6	.85	78.2	81.1	NW	0.0					
1 a. m.	.845	.062	78.0	74.0	4.0	72.3	.83	78.0	81.0	„	0.0					
2 „	.835	.052	78.0	74.0	4.0	72.3	.83	78.2	81.0	NW b N	0.0					
3 „	.832	.047	77.8	74.0	3.8	72.4	.84	78.0	80.9	„	0.0					
4 „	.834	.004	77.0	75.0	2.0	74.2	.91	77.4	80.9	E b S	0.1					
5 „	.847	.004	76.7	75.2	1.5	74.6	.93	76.4	80.8	SE b E	0.1					
6 „	.863	.026	76.6	75.0	1.6	74.4	.93	77.0	80.7	SE	0.1		None.	None.	None.	None.
7 „	.873	28.999	78.5	76.5	2.0	75.7	.92	79.0	80.7	„	0.1					
8 „	.892	29.009	81.2	77.5	3.7	76.0	.85	81.0	81.1	SE b S	0.1					
9 „	.909	28.979	82.6	79.0	3.6	77.7	.86	81.8	81.3	SE	0.1					
10 „	.904	.988	84.3	79.1	5.2	77.2	.80	83.2	81.5	SE b S	0.1					
11 „	.893	.981	85.0	79.2	5.8	77.1	.78	83.8	81.8	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌐i nimbi.	
8	L	Overcast with ⌐i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°6.
8	G	Overcast with ⌐i, moving E.	
4	D	⌐i scattered about hor.	
7	D	⌐i scattered throughout.	
6	D	" " "	
7	C	" " "	
7	C	" " "	
4	C	⌐i scattered in W hem.	
2	L	⌐i scattered around hor. and NE of zth.	
3	L	Fragments of ⌐i scattered about, moving E.	
6	L	⌐i scattered about, moving E.	
3	L	⌐i scattered around hor.; a few patches of ⌐i in S, SW, and zth.	
5	D	⌐i around hor.; ⌐i scattered about, moving E.	
8	D	Overcast with ⌐i, moving E.	
5	D	⌐i around hor.; ⌐i scattered about.	
4	D	" " " "	
4	C	" " " "	
2	C	⌐i above W. hor.; ⌐i around hor.	
6	C	⌐i scattered about, moving E.	
7	C	Densely clouded with ⌐i, moving E; light rain at 8h. 6m.	
8	C	Overcast with ⌐i, moving E.	
6	C	⌐i scattered throughout, moving E; light rain at 10h. 32m. for 13m.	
6	C	⌐i scattered about, moving E; light rain at 11h. 2m.	
3	L	Light ⌐i scattered about hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°6.
4	D	Light ⌐i scattered about.	
4	D	Light ⌐i and ⌐i scattered about.	
3	D	Light ⌐i scattered about.	At about 10 A. M. the height of Barometer was 29.921, the highest during the month, being about 0.096 higher than the Normal Mean.
2	D	" " "	
2	C	" " "	
8	C	Overcast with ⌐i, moving E.	
6	C	⌐i and ⌐i scattered throughout, the former moving E.	
6	C	Light ⌐i scattered about, moving E.	
8	L	Overcast with ⌐i in two strata; light rain at 9h. 4m. which lasted 13m.	
8	L	Overcast with ⌐i in two strata; light rain at 10h. 5m. which lasted 9m.	
8	L	Clouded as before, but no rain.	
7	L	⌐i and ⌐i scattered about, the former moving E.	
5	D	⌐i around hor., moving E; ⌐i scattered about.	
8	D	⌐i around hor.; otherwise clouded with ⌐i.	
6	D	⌐i scattered throughout, moving E.	
8	D	Overcast with ⌐i and ⌐i, the former moving E.	
8	C	" " " " " "	
8	C	" " " " " "	
7	C	⌐i and ⌐i scattered about.	
6	C	⌐i scattered about.	
7	L	⌐i in hor.; otherwise clouded with dense ⌐i.	
3	L	⌐i around hor.; a few ⌐i S of zth.	
3	L	Dense ⌐i in SW and W, also around hor.; light rain from 11h. 12m. for 5m.	
2	L	Light ⌐i scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°5.
3	D	⌐i around hor.; ⌐i scattered about.	
4	D	" " " "	
5	D	⌐i scattered about, moving E.	On the 9th, at noon, the Temperature of the Wet Bulb Thermometer fell 3°6 in one hour, and rose a little for the next. Wind blew abnormally on this day.
8	D	" " " " ; a few drops of rain at 4h. 15m.	
5	C	⌐i scattered about, moving E.	
4	C	⌐i and ⌐i scattered about, both moving E.	
6	C	" " " " "	
5	C	Light ⌐i scattered about, moving E.	
3	C	⌐i around hor.; dense ⌐i scattered about, moving E.	
3	L	Clouded with ⌐i, moving E; a few patches of ⌐i in E, NE, and N. [for 8m.	
7	L	Densely clouded with ⌐i, moving E; a few ⌐i in SE; light rain at 11h. 4m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 9th—Noon.	29.877	29.085	82°8	75°6	7°2	72°7	0.72	82°4	81°7	N	0.1					
1 p. m.	.855	.004	84.6	77.3	7.3	74.9	.72	84.8	81.9	NW b W	0.1					
2 „	.837	.015	85.0	77.0	8.0	73.8	.70	84.4	82.1	WNW	0.1					
3 „	.825	.014	86.0	77.0	9.0	73.4	.67	85.2	82.2	„	0.1					
4 „	.818	.035	85.0	76.0	9.0	72.3	.67	84.2	82.3	„	0.1					
5 „	.823	.021	82.9	75.9	7.0	73.0	.73	82.4	82.2	„	0.1	None.	None.	None.	None.	None.
6 „	.839	.078	81.4	74.4	7.0	71.4	.73	81.0	82.0	„	0.2					
7 „	.861	.070	80.7	75.0	5.7	72.6	.77	80.6	81.9	„	0.1					
8 „	.872	.095	80.6	74.6	6.0	72.0	.76	80.4	81.8	„	0.1					
9 „	.887	.104	80.4	74.4	5.7	72.3	.77	80.2	81.7	„	0.1					
10 „	.885	.109	80.0	74.4	5.6	72.0	.78	79.7	81.6	„	0.1					
11 „	.877	.110	78.8	73.8	5.0	71.6	.80	79.0	81.5	„	0.1					
Sept. 10th Midnight	.857	.073	78.6	74.2	4.4	72.3	.82	79.0	81.4	WNW	0.0					
1 a. m.	.836	.055	78.2	74.0	4.2	72.2	.83	78.4	81.2	„	0.0					
2 „	.822	.037	77.8	74.0	3.8	72.4	.84	78.0	81.1	„	0.0					
3 „	.813	.019	77.0	74.0	3.0	72.8	.87	77.2	81.0	W b N	0.0					
4 „	.815	.021	77.0	74.0	3.0	72.8	.87	77.0	81.0	„	0.0					
5 „	.821	.031	77.4	74.0	3.4	72.6	.86	77.6	80.9	WNW	0.0					
6 „	.839	.045	77.0	74.0	3.0	72.8	.87	78.0	80.7	„	0.0					
7 „	.855	.032	78.6	75.2	3.4	73.8	.86	79.0	80.7	„	0.0	0.03				
8 „	.874	.067	81.4	75.6	5.8	73.2	.77	81.0	81.0	„	0.0					
9 „	.876	.060	83.4	76.4	7.0	73.6	.73	82.4	81.3	„	0.0					
10 „	.874	.102	84.6	75.6	9.0	71.8	.67	83.2	81.5	„	0.1					
11 „	.872	.070	85.0	76.5	8.5	73.0	.68	83.4	81.7	„	0.1					
Noon.	.848	.081	86.1	75.9	10.2	71.6	.63	84.2	81.8	„	0.2		None.	None.	None.	None.
1 p. m.	.817	.056	87.0	76.0	11.0	71.4	.61	84.6	82.0	NW	0.1					
2 „	.799	.003	87.4	77.0	10.4	72.3	.63	86.2	82.2	WNW	0.1					
3 „	.786	.027	87.2	76.0	11.2	71.3	.60	86.0	82.3	„	0.1	0.08				
4 „	.786	.014	86.0	76.0	10.0	71.8	.64	85.2	82.5	„	0.1					
5 „	.791	.025	83.0	75.0	8.0	71.6	.69	82.4	82.3	„	0.1					
6 „	.802	.028	81.6	74.8	6.8	71.9	.74	81.7	82.1	„	0.1	0.02				
7 „	.816	.057	81.2	74.3	6.9	71.3	.73	81.1	81.9	„	0.1					
8 „	.829	.052	80.8	74.6	6.2	72.0	.76	80.8	81.7	„	0.0					
9 „	.842	.050	80.6	75.0	5.6	72.7	.78	80.7	81.7	„	0.1					
10 „	.845	.084	80.0	74.0	6.0	71.4	.76	80.2	81.6	„	0.1					
11 „	.830	.039	79.3	74.6	4.7	72.6	.81	79.4	81.5	„	0.0	0.08				
Sept. 11th Midnight	.816	.037	79.0	74.2	4.8	72.1	.80	78.2	81.4	WNW	0.0					
1 a. m.	.804	.029	78.7	74.0	4.7	72.0	.81	78.6	81.3	WSW	0.0					
2 „	.784	.042	78.4	73.0	5.4	70.6	.78	79.0	81.2	Calm.	0.0					
3 „	.783	.041	78.4	73.0	5.4	70.6	.78	78.4	81.2	„	0.0					
4 „	.785	.039	78.0	73.0	5.0	70.8	.79	78.0	81.1	„	0.0					
5 „	.805	.055	77.6	73.0	4.6	71.0	.81	77.9	80.9	„	0.0					
6 „	.827	.081	78.0	73.0	5.0	70.8	.79	78.2	80.8	W b S	0.0					
7 „	.837	.059	78.9	74.1	4.8	72.1	.80	79.0	80.9	„	0.0					
8 „	.857	.077	81.7	75.0	6.7	72.2	.74	81.2	81.2	„	0.0					
9 „	.860	.072	83.1	75.6	7.5	72.5	.71	82.2	81.4	W	0.1					
10 „	.858	.061	84.1	76.1	8.0	72.9	.70	83.2	81.5	„	0.1					
11 „	.855	.081	85.1	75.8	9.3	71.9	.66	83.4	81.7	„	0.0	None.	None.	None.	None.	None.
Noon.	.831	.068	86.1	75.8	10.3	71.5	.63	84.2	81.9	WSW	0.1					
1 p. m.	.824	.060	86.7	76.0	10.7	71.5	.62	85.2	82.0	„	0.1					
2 „	.773	28.981	87.7	77.0	10.7	72.7	.62	86.2	82.1	W	0.1					
3 „	.769	29.014	87.5	76.0	11.5	71.2	.59	86.0	82.4	WNW	0.1					
4 „	.776	.036	85.4	75.0	10.4	70.5	.62	84.2	82.6	NW b W	0.1					
5 „	.790	.066	84.0	74.2	9.8	70.9	.64	83.0	82.4	WNW	0.1					
6 „	.815	.073	81.6	74.0	7.6	70.6	.71	81.3	82.1	„	0.1					
7 „	.826	.051	80.8	74.6	6.2	72.0	.76	80.4	81.9	W b N	0.1					
8 „	.834	.108	79.8	73.0	6.8	69.9	.73	79.7	81.7	„	0.1					
9 „	.842	.127	79.5	72.6	6.9	69.5	.73	79.6	81.6	W	0.1					
10 „	.848	.083	79.6	74.0	5.6	71.6	.78	79.7	81.5	„	0.1					
11 „	.843	.069	78.8	74.0	4.8	71.9	.80	79.2	81.5	„	0.0					

Amount of Clouds 0–8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
8	L	Overcast with ≀ and ≀, the former moving E.	
8	C	" " " " "	
6	D	≀ around hor.; otherwise clouded with ≀.	
5	D	≀ around hor.; ≀ and ≀ scattered about.	
8	D	Overcast with ≀ and ≀, the latter moving E.	
8	C	" " " " "	
6	C	≀ around hor.; and ≀ scattered about.	
8	C	Overcast with ≀.	
5	C	≀ scattered about, moving E.	
8	L	≀ and ≀ in W hem.; otherwise clouded with ≀, moving E.	
3	L	≀ and ≀ about hor. from NW to E; ≀ in SW and W.	
2	L	≀ and ≀ about hor. from N to E; a few ≀ above SE hor.	
4	L	≀ scattered about, moving ESE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°5.
3	D	≀ scattered about, moving E.	
2	D	" " " "	
2	D	" " " "	
2	D	" " " "	
3	D	" " " "	
2	D	" " " "	
3	L	≀ around hor. and W of zth.	
3	L	≀ around hor., a few in zth.; a few light ≀ in W.	
4	L	≀ scattered about, moving SE.	
4	L	≀ around hor. and in zth.; light ≀ in SE and S.	
3	L	≀ scattered about hor.	
2	L	≀ scattered around hor.; a few streaks of ≀ in ESE.	
3	D	≀ around hor., moving E; ≀ scattered here and there.	
2	D	" " " " "	
6	D	≀ around hor.; ≀ scattered about.	
7	D	≀ around hor., moving E; otherwise clouded with ≀.	
7	C	" " " " "	
7	C	≀ scattered about hor.; ≀ elsewhere.	
7	C	≀ and ≀ scattered about, the former moving E.	
5	C	≀ scattered about.	
5	L	≀ scattered about, except in zth., moving SE.	
7	L	≀ around hor.; ≀ scattered about; a lunar-halo.	
7	L	≀ and ≀ scattered about; hazy.	
6	L	Dense ≀ scattered about, moving ESE; ≀ in N, NE, and E.	Mean daily Temperature of Ground 20 and 60 inches *below* its surface 82°6 and 84°5.
5	D	≀ around hor., moving E; ≀ scattered about.	
6	D	" " " " "	
4	D	" " " "	
3	D	≀ scattered about hor., moving E.	At about 2 P. M., the Temperature of Air was 87.7, the highest during the month, being about 3.5 higher than the Normal Mean; at 9 P. M. the Temperature of Wet Bulb Thermometer was 72.6, being about 3.0 lower than the Normal Mean.
5	C	" " "	
5	C	≀ and ≀ scattered about hor., the former moving E.	
4	C	≀ and ≀ scattered about, the former moving E.	
3	C	" " " " "	
4	L	≀ scattered about, moving E.	
4	L	" " "	
3	L	≀ scattered about; a few ≀ in ESE.	
3	L	≀ scattered about, moving E.	
2	D	" " "	
2	D	≀ around hor., moving E.	
2	D	" "	
4	D	≀ around hor.; ≀ scattered about.	
3	C	≀ around hor. from NE to SW; a few patches of ≀ above E hor.	
3	C	" " " " " " " "	
3	C	≀ scattered around hor. from N to S; a few patches of ≀ here and there.	
3	C	≀ and ≀ around hor.	
8	L	Light ≀ around hor.; otherwise clouded with ≀.	
8	L	" " " " " "	
8	L	≀ scattered about; a lunar-halo.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 12th Midnight	29.827	29.068	78°5	73°5	5°0	71°3	0.80	79°0	81°4	W b S	0.0					
1 a. m.	.808	.061	78.0	73.0	5.0	70.8	.79	78.4	81.2	„	0.0					
2 „	.794	.046	77.8	73.0	4.8	70.9	.80	78.2	81.1	„	0.0					
3 „	.791	.049	78.4	73.0	5.4	70.6	.78	78.0	81.0	SW b W	0.0					
4 „	.796	.041	77.2	73.0	4.2	71.2	.82	78.2	81.0	NW	0.0					
5 „	.810	.030	77.0	73.6	3.4	72.2	.86	77.8	80.7	„	0.0					
6 „	.831	.060	76.4	73.2	3.2	71.8	.87	76.9	80.5	NNE	0.0					
7 „	.862	.081	76.5	73.5	3.0	72.2	.87	76.8	80.5	ENE	0.0	0.02				
8 „	.882	.073	76.9	74.4	2.5	73.3	.89	77.9	80.4	SSE	0.0					
9 „	.888	.028	81.5	77.0	4.5	75.2	.82	81.2	80.8	SE b E	0.1					
10 „	.885	.072	83.0	76.2	6.8	73.5	.74	82.2	81.2	SSE	0.0					
11 „	.879	.043	84.1	77.1	7.0	74.3	.73	82.9	81.4	„	0.0					
Noon.	.853	.052	84.8	76.4	8.4	73.0	.69	83.3	81.5	SW b S	0.4		None.	None.	None.	None.
1 p. m.	.823	28.976	79.2	76.0	3.2	74.7	.87	79.4	81.4	SSW	0.1	0.19				
2 „	.812	.987	81.2	76.0	5.2	73.9	.79	81.4	81.5	WNW	0.1					
3 „	.793	.988	83.0	76.0	7.0	73.2	.73	83.2	81.6	NW	0.1					
4 „	.794	.989	83.0	76.0	7.0	73.2	.73	82.0	81.9	„	0.1					
5 „	.817	29.018	81.0	75.3	5.7	73.0	.77	81.2	81.5	NW b W	0.1					
6 „	.831	.061	79.2	74.0	5.2	71.8	.79	79.2	81.3	„	0.2					
7 „	.850	.076	77.8	73.7	4.1	71.9	.83	78.2	80.9	NW	0.2					
8 „	.866	.110	77.2	73.1	4.1	71.2	.83	77.4	80.8	„	0.1					
9 „	.864	.097	76.7	73.2	3.5	71.6	.85	77.2	80.7	NNW	0.0					
10 „	.861	.105	75.8	72.6	3.2	71.2	.86	76.4	80.6	„	0.0					
11 „	.850	.063	77.0	73.8	3.2	72.5	.87	77.2	80.5	WNW	0.1					
Sept. 13th Midnight	.840	.079	76.6	73.0	3.6	71.4	.85	76.7	80.4	WNW	0.1					
1 a. m.	.813	.047	76.2	73.0	3.2	71.6	.86	77.3	80.4	„	0.0					
2 „	.799	.031	76.0	73.0	3.0	71.7	.87	76.4	80.3	„	0.3					
3 „	.797	.020	75.2	73.0	2.2	72.0	.90	76.0	80.1	NNW	0.1					
4 „	.794	.015	75.0	73.0	2.0	72.1	.91	76.0	79.8	NNE	0.1					
5 „	.809	.004	75.3	73.8	1.5	73.2	.93	75.4	79.8	ENE	0.0					
6 „	.831	.029	75.2	73.7	1.5	73.0	.93	75.7	79.7	SSE	0.0					
7 „	.850	.029	77.0	74.7	2.3	73.8	.90	77.2	79.9	SSW	0.0					
8 „	.874	.029	79.1	75.9	3.2	74.7	.87	78.7	80.1	NNW	0.0	0.02				
9 „	.873	.075	77.7	74.3	3.4	72.9	.86	78.2	80.0	W b N	0.0	0.01				
10 „	.867	.072	80.4	75.0	5.4	72.8	.78	79.6	80.4	„	0.0					
11 „	.857	.041	82.0	76.0	6.0	73.6	.76	80.9	80.5	„	0.0					
Noon.	.838	28.999	83.8	77.1	6.7	74.4	.75	82.8	80.8	„	0.1		None.	None.	None.	None.
1 p. m.	.813	.989	84.8	77.0	7.8	73.9	.70	84.2	81.0	WNW	0.1					
2 „	.798	.987	86.0	77.0	9.0	73.4	.67	84.0	81.2	„	0.1					
3 „	.798	.967	86.0	77.0	9.0	73.4	.67	84.2	81.3	NW b W	0.1					
4 „	.773	.990	85.0	76.0	9.0	72.3	.67	84.0	81.5	„	0.1					
5 „	.795	.990	83.0	76.0	7.0	73.2	.73	82.2	81.4	WNW	0.1					
6 „	.811	29.023	81.0	75.0	6.0	72.5	.76	80.4	81.2	NW b W	0.1					
7 „	.819	.022	80.2	75.0	5.2	72.9	.79	80.2	81.1	„	0.0					
8 „	.833	.034	80.0	75.0	5.0	73.0	.80	80.0	81.0	WNW	0.1					
9 „	.841	.040	79.8	75.0	4.8	73.0	.81	80.0	81.0	NW b N	0.0					
10 „	.839	.038	79.8	75.0	4.8	73.0	.81	80.0	81.0	„	0.0					
11 „	.828	.058	79.2	74.0	5.2	71.8	.79	79.2	80.9	„	0.0					
Sept. 15th Midnight	.766	28.891	80.2	77.0	3.2	75.8	.87	80.4	81.4	WNW	0.2					
1 a. m.	.747	.870	80.0	77.0	3.0	75.8	.87	80.4	81.4	„	0.0	0.01				
2 „	.712	.874	80.0	76.0	4.0	74.4	.88	80.2	81.3	„	0.0					
3 „	.698	.860	80.0	76.0	4.0	74.4	.84	80.0	81.2	„	0.1					
4 „	.697	.857	79.8	76.0	3.8	74.5	.84	80.2	81.1	„	0.1					
5 „	.708	.829	79.8	77.0	2.8	75.9	.88	80.4	81.0	„	0.1					
6 „	.725	.816	80.0	77.8	2.2	76.9	.91	80.2	81.0	„	0.1		None.	None.	None.	None.
7 „	.749	.834	80.2	78.0	2.2	77.2	.91	80.2	81.1	„	0.1					
8 „	.763	.821	80.8	78.8	2.0	78.1	.92	80.8	81.1	W	0.1					
9 „	.764	.816	81.0	79.0	2.0	78.3	.92	81.0	81.4	„	0.3					
10 „	.762	.821	81.6	79.0	2.6	78.0	.89	81.8	81.3	„	0.2					
11 „	.770	.850	80.5	78.2	2.3	77.3	.90	80.4	81.4	„	0.3	0.02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	L	around hor.; in E and about zth.; scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°5. Daily fall of rain by Osler's Gauge 9.14 in. On the 12th, at 9 A. M., the Temperature of Air rose 4°6 in one hour, and at 1 P. M. it fell 5°6 in one hour; again it was rising moderately till 4 P. M. and thence falling gradually till 10 P. M. Wind blew abnormally on this day.
7	D	and scattered about, the former moving E.	
6	D	" " " " " "	
5	D	around hor.; scattered about.	
6	D	" " " "	
8	C	around hor.; scattered throughout.	
8	C	Overcast with , moving E; light rain at 6h. 45m.	
8	C	Overcast; rain ceased at 7h. 5m.	
7	C	around hor.; otherwise clouded with dense , moving E.	
4	L	around hor.; in ESE.	
5	L	around hor.; in E and SE; a few streaks of in SE and S.	
5	L	around hor.; in E; in E hem.	
7	L	in E and W; scattered about, moving E; light rain at 12h. 34m. for 9m.	
8	D	Overcast with , moving E.	
8	D	" " "	
4	D	around hor.; and scattered about.	
3	D	around hor.; scattered about zth.	
6	C	and scattered about, the former moving E.	
6	C	" " " " " "	
6	C	" " " " " "	
8	C	around hor.; scattered about zth.	
1	L	scattered around hor.	
2	L	around hor.; here and there.	
2	L	scattered around hor.	
2	L	scattered around hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°5. Daily fall of rain by Osler's Gauge 0.03 in. Wind blew abnormally; the Temperature of Air at 4 A. M. was 75°0, being about 3° lower than the Normal Mean for that hour. The morning Maximum of Barometer was a little earlier than usual.
3	D	" " " "	
8	D	Overcast with ; light rain at 2h. 14m. which lasted 5m.	
5	D	and scattered about, the former moving E.	
3	D	scattered about hor., moving E; light rain at 4h. 21m.	
2	L	around hor., moving E.	
2	L	" " " ; a rainbow in WSW observed at 6h. 40m.	
4	L	Dense masses of around hor. and in zth., moving slowly E.	
7	C	scattered about, moving E; rain commenced at 8h. 2m. & ceased at 8h 30m.	
6	C	scattered about, moving E.	
4	C	around hor.; dense scattered about.	
4	C	around hor.; scattered about, moving S.	
4	C	and scattered about, the former moving E.	
3	D	scattered about hor.	
3	D	around hor.; and above SW and S hor.	
2	D	scattered around hor.	
3	D	" " "	
3	D	scattered about hor., moving E.	
2	D	around hor., moving E; above E hor.	
3	D	Fragments of light scattered about, moving E; in E.	
2	D	scattered around hor.	
2	D	around hor.; a few patches of scattered about zth.	
3	D	scattered around hor., moving E.	
5	D	and scattered about, the former moving E.	
8	L	Overcast with , moving SE; raining lightly.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°5. Daily fall of rain by Osler's Gauge 0.06 in.
6	D	Densely clouded with , moving E.	
8	D	" " " "	
8	D	Overcast with , moving E.	
8	D	" " "	
8	N	Overcast with , moving SE.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	" " "	
8	N	Overcast in two strata with , moving E; light showers of rain.	
8	L	Overcast with , moving E.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of Intensity after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 15th-Noon.	29.754	28.912	79°6	76°0	3°6	74°6	0.85	79°5	81°4	W	0.1					
1 p. m.	.721	.832	78.2	76.8	1.4	76.3	.94	79.0	81.1	NNW	0.1	0.02				
2 „	.699	.819	79.0	76.8	2.2	75.9	.91	80.0	81.1	N b W	0.0					
3 „	.691	.820	78.4	76.4	2.0	75.6	.92	79.0	81.0	WNW	0.0	0.01				
4 „	.686	.763	80.2	78.2	2.0	77.4	.92	80.6	81.1	„	0.1					
5 „	.689	.774	80.2	78.0	2.2	77.2	.91	80.4	81.1	„	0.1					
6 „	.702	.798	79.7	77.6	2.1	76.8	.91	80.0	81.0	„	0.1					
7 „	.726	.834	79.4	77.2	2.2	76.4	.91	79.6	81.0	„	0.1		None.	None.	None.	None.
8 „	.734	.842	79.4	77.2	2.2	76.4	.91	79.6	81.0	„	0.2					
9 „	.751	.846	79.6	77.6	2.0	76.8	.92	79.9	81.1	„	0.2					
10 „	.747	.833	78.9	77.9	2.0	77.1	.92	79.9	81.1	„	0.3					
11 „	.731	.814	80.0	78.0	2.0	77.2	.92	79.9	81.1	„	0.2					
Sept. 16th Midnight	.724	.816	79.7	77.7	2.0	76.9	.92	79.8	81.1	WNW	0.2					
1 a. m.	.703	.819	79.4	77.0	2.4	76.1	.90	79.8	81.0	W b N	0.1					
2 „	.687	.815	79.4	76.7	2.7	75.6	.89	79.8	81.0	WNW	0.1					
3 „	.680	.798	79.5	77.0	2.5	76.0	.90	79.8	80.9	„	0.2					
4 „	.682	.802	79.7	77.0	2.7	75.9	.89	80.0	80.9	„	0.3					
5 „	.697	.807	79.6	77.2	2.4	76.3	.90	80.0	81.0	„	0.1					
6 „	.715	.816	79.6	77.6	2.0	76.8	.92	80.0	81.0	„	0.1					
7 „	.731	.798	80.0	78.4	1.6	77.8	.93	80.2	81.0	„	0.1					
8 „	.757	.815	81.5	79.0	2.5	78.1	.90	82.0	81.2	„	0.1					
9 „	.769	.828	82.4	79.2	3.2	78.0	.87	82.4	81.6	„	0.2					
10 „	.770	.814	84.1	80.0	4.1	78.5	.84	83.9	81.7	„	0.2					
11 „	.761	.806	85.8	80.4	5.4	78.5	.80	85.4	82.1	„	0.3		None.	None.	None.	None.
Noon.	.750	.814	85.9	80.0	5.9	77.9	.78	85.4	82.3	„	0.2					
1 p. m.	.721	.784	85.8	80.0	5.8	77.9	.78	85.2	82.3	W	0.1					
2 „	.709	.761	84.8	80.0	4.8	78.3	.81	85.0	82.2	WSW	0.1					
3 „	.705	.792	80.4	78.0	2.4	77.1	.90	81.2	82.0	„	0.2	0.01				
4 „	.709	.832	80.0	77.0	3.0	75.8	.88	80.0	81.7	„	0.3					
5 „	.709	.808	78.6	77.2	1.4	76.7	.94	79.2	81.5	„	0.2					
6 „	.715	.832	77.7	76.5	1.2	76.0	.95	78.2	81.4	„	0.2	0.03				
7 „	.745	.889	77.0	75.6	1.4	75.1	.94	77.2	81.2	WNW	0.2	0.10				
8 „	.772	.913	75.6	75.3	0.3	75.2	.99	75.7	80.7	„	0.1	0.33				
9 „	.779	.922	76.1	75.4	0.7	75.1	.97	75.8	80.5	NW b W	0.5	0.10				
10 „	.781	.969	75.4	74.0	1.4	73.4	.94	75.4	80.4	WNW	0.1	0.02				
11 „	.773	.909	76.2	75.6	0.6	75.4	.97	76.4	80.4	„	0.1					
Sept. 17th Midnight	.764	.919	76.2	75.1	1.1	74.7	.95	76.8	80.4	WNW	0.1					
1 a. m.	.751	.908	76.0	75.0	1.0	74.6	.96	76.4	80.4	„	0.0					
2 „	.730	.898	77.0	75.0	2.0	74.2	.91	77.6	80.3	W b N	0.0					
3 „	.722	.855	77.4	76.0	1.4	75.5	.94	78.0	80.2	WNW	0.0					
4 „	.719	.859	78.0	76.0	2.0	75.2	.92	78.2	80.3	W b N	0.1					
5 „	.737	.909	77.4	75.0	2.4	74.0	.90	78.0	80.3	W	0.1					
6 „	.753	.925	77.4	75.0	2.4	74.0	.90	78.0	80.2	„	0.2					
7 „	.775	.954	78.0	75.0	3.0	73.8	.87	78.6	80.1	„	0.2					
8 „	.800	.951	79.0	75.0	3.0	74.8	.88	80.0	80.3	„	0.1					
9 „	.817	.964	80.8	76.5	4.2	75.0	.83	81.4	80.6	„	0.2					
10 „	.814	.961	82.2	77.0	5.2	75.0	.80	82.6	80.8	„	0.2					
11 „	.806	.969	83.6	77.0	6.6	74.4	.75	83.3	81.1	WNW	0.4		None.	None.	None.	None.
Noon.	.802	.933	84.4	78.0	6.4	75.5	.76	84.2	81.4	„	0.1					
1 p. m.	.777	.915	85.0	78.0	7.0	75.3	.74	84.2	81.5	„	0.1					
2 „	.773	.918	85.6	78.0	7.6	75.0	.72	84.4	81.6	„	0.1					
3 „	.749	.886	84.8	78.0	6.8	75.3	.73	84.2	81.7	„	0.1					
4 „	.752	.894	85.4	78.0	7.4	75.1	.72	84.2	81.9	W b N	0.1					
5 „	.753	.895	83.2	77.4	5.8	75.1	.77	82.8	81.9	WNW	0.1					
6 „	.763	.933	80.8	76.0	4.8	74.4	.81	80.9	81.6	„	0.1					
7 „	.773	.935	80.0	76.0	4.0	74.4	.84	80.2	81.5	W	0.1					
8 „	.801	.969	78.4	75.4	3.0	74.2	.87	78.6	81.3	WSW	0.0	0.03				
9 „	.801	.948	78.6	76.0	2.6	75.0	.89	79.2	81.1	W	0.4					
10 „	.817	.979	78.6	75.6	3.0	74.4	.88	79.0	80.9	WNW	0.4					
11 „	.811	.986	78.4	75.2	3.2	73.9	.87	78.8	80.9	W	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	L	Overcast with , moving SSE; light rain at 12h. 43m. which lasted 8m.	
8	L	Overcast with , moving SE.	
8	N	Overcast; vapoury; light rain at 2h. 15m.	
8	N	Overcast; hazy.	
8	N	" "	
8	N	" "	
8	N	" "	
8	N	Overcast with light ; a few stars dimly visible.	
8	N	Overcast with , moving ESE.	
8	L	" " " "	
8	L	" " " "	
8	L	scattered about hor.; throughout; a lunar-halo.	
8	L	Overcast with light and ; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 84°5. Daily fall of rain by Osler's Gauge 0.49 in. At about 11 A. M. the Temperature of Wet Bulb Thermometer was 80°4, the highest during the month, being about 3°0 higher than the Normal Mean; the Range of Wet Bulb Thermometer was 6°4, the highest during the month; at 3 A. M. the height of Barometer was 29.680 ins., being about 0.082 in. lower than the Normal Mean; at 10 P. M. the Temperature of Air was 75°4, being about 3°0 lower than the Normal Mean.
8	D	" " " " "	
8	D	Overcast with , moving E.	
8	D	" " "	
8	D	Overcast; a passing shower of rain at 4h. 28m.	
8	N	Overcast with , moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	" " "	
8	L	" " "	
8	L	" " "	
8	L	" " "	
8	D	" " "	
8	D	Overcast; light passing showers of rain.	
8	D	Overcast; a passing shower of rain at 3h. 16m.	
8	D	Overcast in two strata with , moving E.	
8	N	Overcast; light rain at 5h. 40m.	
8	N	Overcast; passing showers of rain at 6h. 15m. and 6h. 56m.	
8	L	Overcast; raining.	
8	L	Overcast; light rain at 8h. 32m.	
8	L	Overcast; rain ceased at 9h. 8m.	
8	L	Overcast with , whose motion was not apparent.	
8	L	" " " " "	
8	L	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 84°5. Daily fall of rain by Osler's Gauge 0.06 in.
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " " ; a passing shower of rain at 4h. 20m.	
8	N	Overcast with , moving E.	
8	N	" " "	
8	N	" " "	
8	N	" " "	
8	L	around hor.; and scattered throughout.	
8	L	" " " " "	
8	L	Light and scattered in NW hem.; and in SE hem.	
8	L	and about hor. from E to SW; scattered about.	
7	D	around hor.; and scattered about.	
5	D	around hor.; scattered throughout; a few patches of in NE.	
4	D	around hor., moving E; patches of in N, NE, and E; light scattered	
3	D	around hor., moving E; along N hor.; scattered about. [about.	
4	C	scattered about, moving E; in W and S.	
4	C	scattered about, moving E; light rain at 6h. 32m. for 3m.	
2	C	scattered about hor., moving E; light rain at 7h. 54m.	
4	C	scattered about, moving E.	
6	L	" " " "	
4	L	scattered about, except in zth.	
2	L	around hor.; patches of scattered in NE, E, and about zth.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 18th-Midnight	29.799	28.982	78°4	75°0	3°4	73°6	0.86	78°8	80°8	W b N	0.3					
1 a. m.	.781	.964	78.2	75.0	3.2	73.7	.87	78.2	80.7	„	0.2					
2 „	.769	.950	78.2	75.0	3.2	73.7	.87	78.0	80.6	„	0.1					
3 „	.770	.953	78.2	75.0	3.2	73.7	.87	78.2	80.5	W	0.1					
4 „	.766	.945	78.0	75.0	3.0	73.8	.87	78.0	80.4	W b N	0.2					
5 „	.786	.965	78.0	75.0	3.0	73.8	.87	78.2	80.4	W	0.2					
6 „	.798	.951	78.2	75.7	2.5	74.7	.89	78.8	80.5	W b N	0.2					
7 „	.820	.959	78.9	76.3	2.6	75.2	.89	79.5	80.6	WNW	0.2					
8 „	.845	.966	81.2	77.4	3.8	75.9	.84	81.5	80.9	W	0.2					
9 „	.856	.972	83.0	78.0	5.0	76.1	.80	82.4	81.2	W b N	0.1					
10 „	.858	.951	84.0	78.8	5.2	76.9	.80	84.0	81.3	W b S	0.2					
11 „	.850	29.003	84.6	77.5	7.1	74.7	.73	83.5	81.6	W	0.3					
Noon.	.828	28.927	84.5	78.8	5.7	76.7	.78	84.0	81.5	„	0.2		None.	None.	None.	None.
1 p. m.	.806	.944	85.0	78.0	7.0	75.3	.74	84.2	81.6	„	0.2					
2 „	.795	.882	84.2	79.0	5.2	77.1	.80	84.0	81.7	NW	0.2					
3 „	.778	.907	84.2	78.0	6.2	75.6	.76	83.8	81.8	NW b W	0.4					
4 „	.777	.950	81.0	76.0	5.0	74.0	.80	81.0	81.5	NW	0.3					
5 „	.787	.985	79.7	75.0	4.7	74.9	.81	79.9	81.3	WNW	0.2					
6 „	.800	.959	79.4	75.9	3.5	74.5	.85	79.9	81.3	„	0.1					
7 „	.824	29.010	79.0	75.1	3.9	70.5	.84	79.4	81.2	W b N	0.1					
8 „	.838	28.995	79.2	75.9	3.3	74.6	.86	79.4	81.1	W b S	0.1					
9 „	.850	.999	78.8	76.0	2.8	74.9	.88	79.2	81.0	W	0.1	0.01				
10 „	.849	29.021	78.8	75.4	3.4	74.0	.86	79.2	81.0	„	0.1					
11 „	.837	.009	78.8	75.4	3.4	74.0	.86	79.2	80.9	W b S	0.3					
Sept. 19th-Midnight	.821	28.971	78.9	76.0	2.9	74.8	.88	79.4	80.9	W	0.5					
1 a. m.	.800	.979	78.0	75.0	3.0	73.8	.87	76.2	80.8	„	0.4					
2 „	.784	.963	78.0	75.0	3.0	73.8	.87	78.2	80.7	„	0.5	0.10				
3 „	.780	.955	77.6	75.0	2.6	70.9	.89	78.0	80.6	„	0.2					
4 „	.778	.957	78.0	75.0	3.0	70.8	.87	78.2	80.5	„	0.1					
5 „	.798	.957	77.6	75.4	2.2	74.5	.91	77.6	80.6	WSW	0.5					
6 „	.801	.959	76.8	75.2	1.6	74.5	.93	77.6	80.6	„	0.1					
7 „	.824	.997	76.8	74.8	2.0	74.0	.91	76.8	80.2	W b S	0.0	0.08				
8 „	.842	29.004	77.2	75.2	2.0	74.4	.91	78.0	80.1	WNW	0.4					
9 „	.849	.018	77.8	75.2	2.6	74.2	.89	78.4	80.2	„	0.3	0.02				
10 „	.848	.010	78.2	75.5	2.7	74.4	.89	78.7	80.3	NW b W	0.3					
11 „	.842	.010	78.0	75.3	2.7	74.2	.89	78.3	80.4	WNW	0.2	0.01				
Noon.	.831	28.988	76.0	75.0	1.0	74.6	.96	76.2	79.9	„	0.4	0.43	None.	None.	None.	None.
1 p. m.	.815	.970	75.8	75.0	0.8	74.7	.97	76.2	80.0	NW	0.1	0.03				
2 „	.797	29.018	75.0	73.0	2.0	72.1	.91	75.4	79.8	NNW	0.1	0.09				
3 „	.794	28.979	74.4	73.8	0.6	73.5	.93	75.0	79.6	NW b N	0.1	0.30				
4 „	.798	29.008	74.0	73.0	1.0	72.6	.96	74.2	79.4	NW	0.1	0.25				
5 „	.805	28.977	74.4	73.6	0.8	73.3	.96	74.8	79.3	„	0.1	0.08				
6 „	.816	.982	74.3	74.0	0.3	73.8	.99	74.5	79.3	NW b W	0.1	0.17				
7 „	.830	29.026	73.8	73.3	0.5	73.1	.98	74.5	79.2	NW b N	0.1	0.04				
8 „	.836	.042	73.6	73.0	0.6	72.6	.98	74.2	78.9	WNW	0.3	0.15				
9 „	.837	.028	74.3	73.6	0.7	73.0	.97	75.4	78.8	„	0.2	0.01				
10 „	.830	.057	75.2	72.9	2.3	71.9	.90	76.0	78.8	„	0.3					
11 „	.815	.011	75.4	73.8	1.6	73.1	.93	75.8	78.8	„	0.5	0.01				
Sept. 20th-Midnight	.792	.066	75.8	71.8	4.0	69.9	.83	75.8	78.8	W b N	0.5					
1 a. m.	.784	.018	76.2	73.0	3.2	71.6	.86	76.2	78.9	WNW	0.1					
2 „	.767	28.966	76.4	74.0	2.4	73.0	.90	76.2	79.0	„	0.0					
3 „	.752	29.010	75.0	72.0	3.0	70.6	.91	74.8	78.8	NW b W	0.0	0.20				
4 „	.763	28.973	74.0	73.0	1.0	72.6	.96	74.2	78.6	NW	0.1	0.09				
5 „	.772	.980	73.8	73.0	0.8	72.7	.96	74.4	78.6	W	0.0	0.04				
6 „	.794	.978	74.6	73.6	1.0	73.6	.96	75.2	78.6	„	0.1		None.	None.	None.	None.
7 „	.808	.985	75.3	74.0	1.3	73.5	.94	76.1	78.7	„	0.3	0.01				
8 „	.836	29.060	75.3	73.0	2.3	72.0	.90	76.1	78.7	WNW	0.5					
9 „	.850	.020	75.8	74.6	1.2	74.1	.95	76.2	78.7	NW	0.1	0.02				
10 „	.846	.051	75.6	73.6	2.0	72.8	.91	76.0	78.6	„	0.1	0.04				
11 „	.831	28.997	75.8	74.7	1.1	74.3	.95	76.2	78.7	„	0.2	0.03				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	L	Light cirro-cumuli scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 84°5. Daily fall of rain by Osler's Gauge 0.01 in. On the 18th, at 3 A. M., the Barometer rose a little instead of falling. The force of Wind was greater than 1 lb. in the afternoon.
1	D	A few clouds around hor.	
1	D	" " "	
3	D	cirro-cumuli around hor.; cirri scattered about.	
4	D	cirro-cumuli around hor.; light cirri scattered about; a lunar-halo.	
4	C	cirro-cumuli around hor.; cirri scattered about.	
7	C	cirro-cumuli around hor., moving E; cirri scattered throughout.	
7	C	" " " " " "	
5	C	cirro-cumuli around hor.; cirri scattered about. [a passing shower of rain at 9h. 15m.	
6	L	cirro-cumuli above W, NW, and N hor.; a few cirri in W; cirro-cumuli scattered about, moving E;	
7	L	cirro-cumuli and cirri scattered about, the former moving E. [6m.	
8	L	Overcast with cirro-cumuli, moving E; a few streaks of cirri in SW; drops of rain at 11h.	
7	L	cirro-cumuli scattered about, moving E; cirri and cirro-cumuli in SE, S, and SW.	
6	D	cirro-cumuli and cirro-cumuli scattered throughout, the former moving E.	
7	D	cirro-cumuli around hor.; cirri scattered throughout.	
6	D	cirro-cumuli around hor., moving E; cirri scattered about.	
8	D	Overcast with cirro-cumuli and cirro-cumuli, the former moving E.	
8	C	" " " " " "	
5	C	cirro-cumuli around hor.; patches of cirro-cumuli scattered about, moving E.	
2	C	cirro-cumuli and cirro-cumuli scattered around hor.	
2	L	Light cirro-cumuli scattered here and there.	
2	L	cirro-cumuli scattered around hor.	
8	L	cirro-cumuli around hor.; otherwise clouded with cirro-cumuli.	
8	L	" " " " "	
8	L	Overcast with cirro-cumuli, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 84°5. Daily fall of rain by Osler's Gauge 1.63 in. At about 8 P. M. the Temperature of Air was 73°6, the lowest during the month, being about 5°5 lower than the Normal Mean; the Range of Barometer was 0.071 in. the lowest during the month; at 10 P. M. the Temperature of Wet Bulb Thermometer was 72°9, being about 2°4 lower than the Normal Mean.
8	D	Overcast; a passing shower of rain at 1h. 2m., which lasted 4m.	
8	D	Overcast with cirro-cumuli, moving E.	
8	D	" " "	
8	D	Overcast; light rain at 4h. 47m.	
8	L	Overcast; rain in drops at 5h. 7m.	
8	L	Overcast; passing showers of rain at 6h. 42m. and 6h. 58m.	
8	L	Overcast with cirro-cumuli, moving ESE.	
8	L	Overcast; light rain at 8h. 7m. for 10m.	
8	C	Overcast with cirro-cumuli, moving ESE.	
8	C	Overcast; light rain at 10h. 50m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 12h. 19m.	
8	D	Overcast; raining lightly.	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	Overcast; rain ceased at 8h. 22m.	
8	L	Overcast with cirro-cumuli, whose motion was not apparent.	
8	L	Overcast; a passing shower of rain at 10h. 37m.	
8	L	Overcast with cirro-cumuli, whose motion was not apparent.	
8	L	Overcast with cirro-cumuli; rain commenced at full hour and ceased at 12m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's Gauge 0.79 in. The Range of Temperature of Air was 2°6, the lowest during the month; the Range of Wet Bulb Thermometer was 2°9, the lowest during the month; at about midnight the Temperature of Wet Bulb Thermometer was 71°8, the lowest during the month.
8	D	Overcast with cirro-cumuli, moving E.	
8	D	Overcast; rain commenced at 2h. 43m.	
8	D	Overcast; raining lightly.	
8	D	Overcast; rain ceased at 4h. 20m.; a few drops of rain at 4h. 56m.	
8	C	Overcast with cirro-cumuli, moving E.	
8	C	Overcast; rain commenced at 6h. 27m. and lasted 10m.	
8	C	Overcast with cirro-cumuli, moving E.	
8	C	Overcast; a passing shower of rain at 7h. 2m.	
8	L	Overcast; raining.	
8	L	" "	
8	L	Overcast; rain ceased at 11h. 25m. and recommenced at 11h. 42m.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of Insulation after discharges.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 20th–Noon.	29.809	28.984	75°6	74°4	1°2	73°9	0.95	75°9	78°6	NW	0.2	0.02				
1 p. m.	.787	.954	75.2	74.5	0.7	74.2	.97	76.0	78.5	NW b W	0.2	0.02				
2 „	.771	.957	75.2	74.0	1.2	73.5	.95	76.0	78.5	WNW	0.1	0.02				
3 „	.759	.962	75.2	73.5	1.7	72.9	.93	76.0	78.6	„	0.1	0.01				
4 „	.773	.957	75.0	74.0	1.0	73.6	.96	76.2	78.5	W	0.1	0.03				
5 „	.783	.979	74.0	73.4	0.6	73.1	.97	74.5	78.5	WSW	0.2	0.17	None.	None.	None.	None.
6 „	.791	.994	74.0	73.2	0.8	72.9	.96	74.4	78.3	„	0.2	0.03				
7 „	.803	29.008	74.4	73.4	1.0	73.0	.96	74.4	78.3	„	0.1	0.02				
8 „	.821	28.996	74.8	74.2	0.6	73.9	.97	75.2	78.3	W b S	0.1	0.01				
9 „	.824	.999	74.8	74.2	0.6	70.9	.97	74.8	78.1	W	0.6	0.03				
10 „	.824	29.008	75.0	74.0	1.0	73.6	.96	75.2	78.2	„	0.2	0.01				
11 „	.822	.001	75.2	74.2	1.0	73.8	.96	75.4	78.3	WNW	0.2					
Sept.22nd-Midnight	.822	28.990	75.6	74.6	1.0	74.2	.96	75.0	78.1	WNW	0.1					
1 a. m.	.805	.958	75.6	75.0	0.6	74.8	.98	76.0	78.1	W	0.0	0.02				
2 „	.792	.953	76.4	75.0	1.4	74.4	.94	76.2	78.2	WSW	0.0					
3 „	.787	.948	76.4	75.0	1.4	74.4	.94	76.4	78.2	W b S	0.1					
4 „	.792	.976	75.0	74.0	1.0	73.6	.96	75.4	78.3	W	0.0					
5 „	.814	.993	75.2	74.2	1.0	73.8	.96	75.8	78.3	WNW	0.0	0.01				
6 „	.841	29.005	75.2	74.6	0.6	74.3	.97	76.1	78.2	„	0.1					
7 „	.866	.016	75.4	75.0	0.4	74.8	.98	75.4	78.0	„	0.2	0.30				
8 „	.890	.047	76.0	75.0	1.0	74.6	.96	76.2	78.2	„	0.2	0.09				
9 „	.901	.039	77.8	76.0	1.8	75.3	.92	78.2	78.4	NW	0.3					
10 „	.904	.055	77.6	75.6	2.0	74.8	.92	77.7	78.4	WNW	0.2					
11 „	.893	.065	77.4	75.0	2.4	74.0	.90	77.9	78.5	„	0.1		None.	None.	None.	None.
Noon.	.868	.044	77.7	75.0	2.7	73.9	.92	78.2	78.5	NW b W	0.1					
1 p. m.	.836	28.982	79.0	76.0	3.0	74.8	.88	79.8	78.7	WNW	0.0					
2 „	.811	.964	79.2	76.0	3.2	74.7	.87	80.0	78.8	NNW	0.0					
3 „	.813	.930	79.4	77.0	2.4	76.7	.90	80.0	79.0	Calm.	0.0					
4 „	.814	.968	79.4	76.0	3.4	74.7	.86	80.0	79.1	„	0.0					
5 „	.815	.927	79.0	77.0	2.0	76.2	.92	79.1	79.1	„	0.0	0.01				
6 „	.836	.974	77.8	76.0	1.8	75.3	.92	78.2	79.0	„	0.0					
7 „	.845	.989	76.6	75.5	1.1	75.1	.95	77.2	79.0	„	0.0					
8 „	.855	29.008	76.3	75.2	1.1	74.7	.95	76.9	78.9	„	0.0					
9 „	.879	.008	77.0	76.0	1.0	75.6	.96	77.4	78.8	„	0.0					
10 „	.878	.005	76.8	76.0	0.8	75.7	.97	77.4	78.9	„	0.0					
11 „	.870	28.997	76.8	76.0	0.8	75.7	.97	77.4	78.8	NE b E	0.0					
Sept.23rd-Midnight	.862	29.021	76.2	75.0	1.2	74.6	.95	76.8	78.8	NE b E	0.0					
1 a. m.	.856	28.992	75.9	75.5	0.4	75.4	.99	76.4	78.5	„	0.1					
2 „	.841	.994	75.5	75.0	0.6	74.7	.98	75.8	78.5	„	0.1					
3 „	.839	.980	75.4	75.0	0.4	74.8	.98	75.4	78.4	ESE	0.1					
4 „	.837	.985	75.2	75.0	0.2	74.9	.99	75.6	78.3	„	0.1					
5 „	.854	29.057	74.8	74.4	0.4	72.9	.98	75.6	78.4	„	0.0					
6 „	.877	.080	74.8	74.4	0.4	72.9	.98	75.6	78.5	„	0.1					
7 „	.889	.015	76.7	76.0	0.7	75.7	.98	77.5	78.5	„	0.1					
8 „	.907	.021	79.2	77.0	2.2	76.1	.91	79.4	79.4	„	0.1					
9 „	.915	.036	80.6	77.2	3.4	75.9	.86	80.2	79.1	„	0.1					
10 „	.916	.004	81.6	78.3	3.3	77.1	.87	81.3	79.3	„	0.0					
11 „	.902	.084	82.2	76.1	6.1	73.6	.76	81.4	79.5	WSW	0.0		None.	None.	None.	None.
Noon.	.881	.017	83.0	77.5	5.5	75.4	.79	82.2	79.7	W	0.0					
1 p. m.	.851	.050	83.4	76.0	7.4	73.0	.72	82.4	79.8	WSW	0.1					
2 „	.836	.031	83.6	76.0	7.6	73.2	.73	82.5	79.9	SW b S	0.1					
3 „	.816	28.990	84.6	77.0	7.6	74.0	.71	82.6	80.1	SW b W	0.1					
4 „	.813	29.017	84.8	77.0	7.8	72.8	.70	84.0	80.3	WSW	0.0					
5 „	.825	.057	82.8	75.0	7.8	71.7	.70	82.0	80.4	„	0.0					
6 „	.839	.038	79.4	75.0	4.4	70.2	.82	79.6	80.1	„	0.0					
7 „	.844	.056	78.2	74.2	4.0	72.5	.83	78.6	79.8	W b S	0.0					
8 „	.864	.081	78.0	74.0	4.0	72.3	.83	78.3	79.8	„	0.0					
9 „	.881	.075	78.0	74.6	3.4	73.2	.86	78.3	79.7	„	0.0					
10 „	.886	.077	77.0	74.4	2.6	73.3	.89	77.4	79.6	„	0.0					
11 „	.870	.065	76.4	74.1	2.3	73.2	.91	76.8	79.4	W	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
8	L	Overcast; raining lightly.	
8	D	" " "	
8	D	Overcast; rain ceased at full hour, and re-commenced at 2h. 29m.	
8	D	Overcast; raining lightly.	
8	D	" " "	
8	L	Overcast; rain ceased at 5h. 40m.	
8	L	Overcast; rain commenced at 6h. 24m. and ceased at 6h. 42m.	
8	L	Overcast; rain commenced at 7h. 19m. and lasted 13m.	
8	L	Overcast; rain commenced at 8h. 44m.	
8	L	Overcast; rain ceased at 10h. 19m.	
8	L	Overcast with Cirri, moving E.	
8	L	Overcast; drizzling rain.	
8	L	Overcast; rain ceased at 12m. after midnight.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°4. Daily fall of rain by Osler's Gauge 0.42 in. On the 22nd, Evening Minimum of Barometer occurred about an hour earlier.
8	D	Overcast with Cirri, whose motion was not apparent.	
8	D	" " " " " "	
8	D	Overcast with Cirri in two strata, moving ESE; light rain at 3h. 14m. for 5m.	
8	D	Overcast with Cirri, moving E; light rain at 4h. 23m.	
8	C	Overcast; passing showers of rain at 5h. 2m. and 5h. 53m.	
8	C	Overcast; rain commenced from 6h. 45m.	
8	C	Overcast; rain ceased at 7h. 32m.	
8	C	Overcast with Cirri, moving E.	
8	L	Cirri and Cumuli scattered W and NW; otherwise clouded with Cirri, moving E.	
8	L	Overcast with Cirri, moving E.	
8	L	" " "	
8	L	" " "	
8	D	" " "	
8	D	" " "	
8	D	" " "	
8	D	Overcast; rain commenced at 4h. 56m.	
8	C	Overcast; rain ceased at 5h. 7m.	
6	C	Cirri around hor.; otherwise clouded with Cirri.	
3	C	Cirri scattered about hor.	
3	C	" " "	
6	L	Cirri scattered about, moving E.	
6	L	" " " "	
5	L	" " " "	
3	L	Fragments of light Cirri scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 84°4. The height of Barometer at 10 A.M. was 29.916, being about 0.060 higher than the Normal Mean for that hour. Wind blew abnormally on this day.
7	G	Densely clouded with Cumuli and Cirri; moon dimly visible.	
8	D	Overcast with Cirri, whose motion was not apparent.	
8	D	" " " " " "	
8	D	Cirri scattered about, moving E.	
4	C	" " " "	
6	C	Clouded as on the last hour.	
1	C	Cirri and a few streaks of Cumuli around hor.	
0	C	Cloudless.	
2	L	Cirri scattered around hor.	
2	L	" " "	
2	L	Cirri scattered in E hor.	
3	L	Cirri around hor.; Cumuli and Cirri above S hor.	
3	D	Cirri around hor.; Cumuli and a few Cirri scattered about.	
2	D	" " " " " "	
2	D	Cirri scattered about hor.	
1	D	" " "	
2	C	Cirri and Cumuli around hor.	
3	C	Cirri around hor.; Cumuli scattered about; Cirro-cumuli in N and NE.	
3	C	Cirri and Cumuli scattered about hor.	
3	C	" " " "	
1	L	Cirri scattered about hor.	
1	L	" " "	
0	L	Clear, except in hor., which was appearing dim.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the ground.	Thermometer 6 inches in the ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 24th-Midnight	29.857	29.055	75°6	73°8	1°8	73°0	0.92	76°4	79°2	W	0.0					
1 a. m.	.838	.059	75.0	73.0	2.0	72.1	.91	76.0	79.1	W b S	0.0					
2 „	.817	.038	75.0	73.0	2.0	72.1	.91	76.0	79.0	„	0.0					
3 „	.810	28.994	75.0	74.0	1.0	73.6	.96	76.0	78.9	WSW	0.0					
4 „	.813	29.001	75.4	74.0	1.4	73.4	.94	76.0	78.8	ESE	0.0					
5 „	.830	.000	75.4	74.5	0.9	74.1	.96	75.8	78.8	„	0.0					
6 „	.846	.011	75.0	74.5	0.5	74.3	.98	75.6	78.7	„	0.1					
7 „	.869	28.991	77.4	76.3	1.1	75.9	.95	78.2	78.9	„	0.1					
8 „	.878	.972	79.4	77.4	2.0	76.6	.92	79.8	79.2	„	0.1					
9 „	.887	.996	81.2	77.7	3.5	76.3	.86	81.0	79.5	„	0.1					
10 „	.882	29.003	82.0	77.6	4.4	75.9	.83	81.5	79.6	„	0.1					
11 „	.867	.045	82.2	76.2	6.0	73.8	.77	81.7	79.8	„	0.0					
Noon.	.836	.007	82.2	76.4	5.8	74.1	.77	82.7	79.9	„	0.0	None.	None.	None.	None.	None.
1 p. m.	.804	.006	83.6	76.0	7.6	72.9	.71	82.2	80.0	SW	0.0					
2 „	.785	28.963	85.0	77.0	8.0	73.8	.70	84.0	80.2	W	0.0					
3 „	.763	.945	85.4	77.0	8.4	73.6	.69	84.2	80.4	WNW	0.0					
4 „	.768	.950	85.4	77.0	8.4	73.6	.69	84.0	80.8	Calm.	0.0					
5 „	.775	.970	83.0	76.0	7.0	73.2	.73	82.2	80.7	„	0.0					
6 „	.789	.999	80.2	75.1	5.1	72.6	.79	80.2	80.4	„	0.0					
7 „	.796	29.011	79.2	74.4	4.8	72.4	.80	79.4	80.2	„	0.0					
8 „	.821	.007	78.6	75.0	3.6	73.5	.85	79.1	80.1	„	0.0					
9 „	.838	.024	78.0	74.8	3.2	73.5	.87	78.7	80.0	„	0.0					
10 „	.832	.015	77.0	74.6	2.4	73.6	.90	78.0	79.8	„	0.0					
11 „	.819	.016	76.8	74.2	2.6	73.1	.89	77.8	79.6	„	0.0					
Sept. 25th-Midnight	.815	.012	76.8	74.2	2.6	73.1	.89	77.2	79.6	WNW	0.0					
1 a. m.	.786	28.981	76.0	74.0	2.0	73.2	.91	77.0	79.5	„	0.0					
2 „	.779	.967	75.4	74.0	1.4	73.4	.90	77.0	79.3	„	0.0					
3 „	.765	.993	75.6	73.0	2.6	71.8	.89	76.2	79.2	„	0.0					
4 „	.771	.928	76.0	75.0	1.0	74.6	.96	76.0	79.1	NE b N.	0.0					
5 „	.776	.940	75.8	74.8	1.0	74.3	.96	76.2	79.1	ENE	0.1					
6 „	.805	.953	76.0	75.2	0.8	74.9	.96	76.8	79.1	E b S	0.1					
7 „	.824	.927	77.2	76.7	0.5	76.5	.98	78.2	79.2	ESE	0.2					
8 „	.842	.942	79.8	77.5	2.3	76.6	.94	80.2	79.5	„	0.2					
9 „	.851	.932	81.8	78.5	3.3	77.3	.87	82.0	79.8	„	0.1					
10 „	.848	.962	82.8	78.0	4.8	76.1	.81	82.4	80.1	„	0.1					
11 „	.836	.966	82.8	77.6	5.2	75.6	.80	82.4	80.2	„	0.0					
Noon.	.812	.949	83.8	77.7	6.1	75.3	.77	82.9	80.3	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.769	.940	84.4	77.0	7.4	74.1	.72	83.2	80.5	WSW	0.1					
2 „	.752	.934	85.4	77.0	8.4	73.6	.69	84.0	80.6	„	0.1					
3 „	.729	.918	86.0	77.0	9.0	73.4	.67	84.4	80.8	W	0.1					
4 „	.729	.914	83.5	77.0	8.6	73.5	.68	84.2	81.1	WNW	0.1					
5 „	.735	.920	81.1	76.4	7.1	73.5	.73	82.9	81.1	„	0.1					
6 „	.750	.959	80.2	75.1	6.0	72.6	.76	80.8	80.8	„	0.1					
7 „	.770	.984	79.8	74.7	5.5	72.4	.78	80.2	80.6	„	0.1					
8 „	.785	29.000	79.5	74.3	4.5	72.4	.82	80.0	80.5	„	0.0					
9 „	.805	28.989	79.5	75.3	4.2	73.6	.83	80.0	80.5	NW	0.0					
10 „	.800	.970	78.6	75.4	3.2	74.1	.87	78.8	80.3	NW b N	0.0					
11 „	.791	.981	78.6	74.9	3.7	73.3	.85	79.2	80.3	NNW	0.0					
Sept. 26th-Midnight	.777	.976	78.4	74.6	3.8	73.1	.84	78.7	80.2	NNW	0.0					
1 a. m.	.768	.945	77.8	75.0	2.8	73.8	.88	78.2	80.1	N	0.0					
2 „	.759	.934	77.6	75.0	2.6	73.9	.89	78.2	80.0	NNE	0.0					
3 „	.752	.920	77.0	75.0	2.0	74.2	.91	78.0	79.9	„	0.0	0.02				
4 „	.758	.953	76.0	74.0	2.0	73.2	.91	77.2	79.7	„	0.0					
5 „	.768	.914	76.8	75.5	1.3	75.0	.94	77.5	79.7	NE	0.0					
6 „	.796	.957	76.4	75.0	1.4	74.4	.94	77.7	79.7	NE b E	0.0					
7 „	.815	.975	77.7	75.4	2.3	74.5	.90	79.0	79.8	ENE	0.0	None.	None.	None.	None.	None.
8 „	.835	.983	78.6	76.0	2.6	75.0	.89	79.7	79.9	„	0.0					
9 „	.854	.975	79.8	77.0	2.8	75.9	.88	80.7	79.9	„	0.1					
10 „	.861	29.001	81.9	77.4	4.5	75.2	.82	82.0	80.2	„	0.1					
11 „	.851	28.987	83.0	77.5	5.5	75.4	.79	82.9	80.4	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀≀ nimbi.	
0	L	A few fragments of light ≀≀ around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 84°4.
0	D	Clear, except in hor.	
1	D	Fragments of light ≀≀ scattered about.	
3	D	Light ≀≀ scattered about, moving E.	
3	D	" " " "	The Range of Barometer was 0.124, the highest during the month.
4	C	Light ≀≀ around hor.; ≀ scattered about.	
6	C	≀≀, ≀, and ≀≀ scattered about, the latter moving E.	
7	C	≀≀ scattered around hor.; otherwise clouded with ≀.	
5	C	" " " " " "	
3	L	≀≀ around hor.; ≀ scattered about.	
3	L	≀≀ scattered from S to NW; ≀≀ around hor.; a few ≀ in NE and E.	
4	L	≀≀ around hor.; ≀ and ≀≀ scattered about.	
3	L	≀≀ in E hem.; ≀≀ around hor.; a few ≀ in SE.	
3	D	≀≀ and ≀≀ scattered about hor.	
2	D	≀≀ and ≀ scattered about hor.	
3	D	≀≀ around hor.; ≀ scattered about.	
4	D	∩ in E and SE hor.; ≀ scattered about.	
3	C	∩ in N and E; ≀≀ along N hor.; ≀ scattered in E and SE.	
3	C	≀≀ from NE to SE hor.; ≀ scattered about, moving E.	
0	C	Clear, except in hor.	
0	C	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
2	L	Masses of ≀≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 84°4.
2	D	Fragments of ≀≀ scattered about.	
1	D	Light ≀≀ scattered about, moving E.	
1	D	" " " "	
2	D	" " " "	
3	C	" " " "	
7	C	Densely clouded with ≀≀, ≀, and ≀≀; ≀≀ moving E.	
7	C	≀≀ above E hor.; ≀≀ scattered about, moving E.	
4	C	≀≀ around hor., moving E; ≀ scattered about.	
2	L	≀≀ above E hor.; ≀≀ around hor.; ≀ in SE and E above hor.	
4	L	≀≀ and ≀ scattered about hor.	
4	L	≀≀ around hor.; light ≀ scattered about, except in SW.	
3	L	" " " " " " "	
2	D	≀≀ around hor.; ≀ scattered in E.	
2	D	≀ scattered in E and SE.	
2	D	≀≀ about hor. from N to SE; ≀ scattered about remainder of hor.	
2	D	" " " " " " " "	
2	C	≀≀ around hor.; ≀ scattered in E and SE.	
4	C	≀≀ around hor.; ≀ scattered about.	
0	C	Clear, except in hor.	
0	C	" " "	
1	L	Masses of ≀≀ scattered about hor.	
0	L	Clear, except in hor.	
0	L	A few fragments of light ≀≀ here and there.	
2	L	≀≀ scattered about, moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 84°4. Daily fall of rain by Osler's Gauge 0.02 in.
1	D	≀≀ scattered around hor.	
8	D	Overcast with ≀≀; light rain at 2h. 4m. which lasted 19m.	
3	D	Light ≀≀ scattered about.	
2	D	Light ≀ scattered in SW, W, and NW hor.	
3	C	≀≀ scattered about, moving E; ≀ above E hor.	
6	C	≀ in E; ≀≀ scattered about, moving E.	
6	C	" " " " "	
5	C	≀≀ scattered about, moving E.	
2	L	Light ≀≀ scattered about hor.	
2	L	" " "	
2	L	Light ≀≀ around hor.; ≀≀ scattered in S hem.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the *Air*.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 26th–Noon.	29.829	29.005	84°8	77°0	7°8	73°9	0.71	83°7	80°6	NW b W	0.1					
1 p. m.	.800	28.987	85.8	77.0	8.8	73.5	.67	84.2	80.8	WNW	0.1					
2 „	.764	.915	86.2	78.0	8.2	74.8	.69	85.0	81.1	„	0.1					
3 „	.740	.895	86.4	77.8	8.6	74.7	.68	85.8	81.2	„	0.1					
4 „	.740	.925	85.6	77.0	8.6	73.5	.68	84.8	81.5	„	0.1					
5 „	.749	.960	83.4	75.7	7.7	72.6	.71	82.9	81.3	NW	0.0	None.	None.	None.	None.	None.
6 „	.781	.980	81.2	75.4	5.8	73.0	.77	81.0	81.0	NW b W	0.1					
7 „	.796	.965	80.6	76.0	4.6	74.1	.82	80.7	81.0	„	0.1					
8 „	.813	.977	80.2	76.0	4.2	74.3	.83	80.4	80.8	NW	0.1					
9 „	.820	29.002	80.0	75.5	4.5	73.6	.82	80.4	80.8	„	0.1					
10 „	.826	.002	79.9	75.6	4.3	73.9	.83	80.4	80.7	„	0.1					
11 „	.815	28.981	79.6	75.6	3.8	74.3	.84	80.2	80.6	„	0.1					
Sept.27th–Midnight	.811	.996	79.3	75.2	4.1	73.5	.83	79.9	80.6	NNW	0.1					
1 a. m.	.795	.985	79.0	75.0	4.0	73.3	.84	80.0	80.5	„	0.1					
2 „	.786	.976	79.0	75.0	4.0	73.3	.84	79.8	80.4	„	0.0					
3 „	.779	.958	78.0	75.0	3.0	73.8	.87	79.2	80.3	N	0.0					
4 „	.786	.966	78.0	75.0	3.0	73.8	.87	78.4	80.2	„	0.1					
5 „	.796	.942	77.8	75.8	2.0	75.0	.91	78.6	80.3	N b E	0.0					
6 „	.818	.975	77.4	75.4	2.0	74.6	.91	78.7	80.2	„	0.1					
7 „	.834	.950	78.6	76.8	1.8	76.1	.92	80.0	80.2	NNE	0.0					
8 „	.848	.959	80.4	77.4	3.0	76.3	.88	81.2	80.4	„	0.0					
9 „	.853	.979	82.8	77.7	5.1	75.7	.80	83.2	80.7	NE b N	0.1					
10 „	.843	.966	83.6	78.0	5.6	75.8	.78	83.8	81.0	N	0.1					
11 „	.833	.973	84.4	77.8	6.6	75.2	.75	84.2	81.2	NNW	0.1					
Noon.	.810	.950	85.9	78.2	7.7	75.2	.71	85.4	81.4	NW b N	0.2	None.			None.	
1 p. m.	.774	.913	86.6	78.4	8.2	75.2	.70	86.2	81.5	„	0.1					
2 „	.740	.896	86.6	78.0	8.6	74.6	.68	86.0	81.6	NW	0.1					
3 „	.737	.878	86.8	78.4	8.4	75.2	.69	86.0	81.8	„	0.2					
4 „	.746	.868	85.4	78.5	6.9	75.9	.74	85.2	81.7	NW b W	0.1					
5 „	.751	.871	83.4	78.0	5.4	75.9	.79	83.3	81.8	NW	0.2					
6 „	.770	.903	82.0	77.3	4.7	75.5	.81	82.2	81.8	NW b N	0.3					
7 „	.795	.962	81.2	76.2	5.0	74.2	.80	81.8	81.7	NNW	0.1		Pos.	0.4		5.00
8 „	.821	.921	81.0	77.8	3.2	76.6	.87	81.3	81.6	„	0.1		Pos.	1.6		0.15
9 „	.822	.963	78.8	76.2	2.6	75.2	.89	79.8	81.4	NNE	0.1		Pos.	0.4		3.00
10 „	.829	.967	78.2	76.1	2.1	75.3	.91	79.2	81.2	N b E	0.1					
11 „	.802	.951	77.4	75.6	1.8	74.9	.92	78.3	81.0	NNE	0.0					
Sept.29th–Midnight	.755	.854	77.8	77.0	0.8	76.7	.97	78.8	80.5	SSW	0.0		Neg.	1.3		1.00
1 a. m.	.737	.838	78.0	77.0	1.0	76.6	.96	79.4	80.4	„	0.0		Neg.	0.4		1.52
2 „	.731	.832	78.0	77.0	1.0	76.6	.96	78.8	80.4	„	0.0		Neg.	0.2		1.35
3 „	.721	.824	78.2	77.0	1.2	76.5	.95	78.6	80.4	SE b S	0.0		Neg.	1.0		0.04
4 „	.719	.818	77.8	77.0	0.8	76.7	.97	78.4	80.3	ESE	0.0					
5 „	.741	.839	77.7	77.0	0.7	76.7	.97	78.4	80.4	E b S	0.0					
6 „	.745	.851	77.4	76.7	0.7	76.4	.97	78.4	80.3	„	0.0					
7 „	.765	.834	79.2	78.2	1.0	77.7	.96	80.2	80.4	E	0.1					
8 „	.786	.827	81.0	79.0	2.0	78.6	.96	81.3	80.7	E b N	0.1					
9 „	.794	.867	82.2	78.8	3.4	77.6	.86	82.2	80.8	„	0.1					
10 „	.793	.815	83.8	80.5	3.3	79.3	.87	83.6	81.0	„	0.0					
11 „	.780	.792	84.3	80.8	3.5	79.6	.86	83.6	81.3	NNW	0.1					
Noon.	.751	.792	85.4	80.4	5.0	78.6	.81	84.8	81.5	„	0.1					
1 p. m.	.717	.742	86.3	81.0	5.3	79.2	.80	86.0	81.6	NW	0.1					
2 „	.677	.678	87.2	82.0	5.2	79.9	.80	86.4	81.7	NW b N	0.1					
3 „	.673	.660	86.8	82.0	4.8	79.4	.82	86.2	82.2	NW	0.1		Neg.	1.0		0.02
4 „	.689	.732	84.0	80.0	4.0	78.6	.84	84.0	82.2	N	0.1		Neg.	Out of Sc.	8.0	0.02
5 „	.692	.701	82.5	80.4	2.1	79.7	.91	82.8	81.9	NW	0.1	0.06				
6 „	.717	.730	81.6	80.1	1.5	79.6	.90	82.2	81.9	„	0.0	0.06	Neg.	1.0		5.00
7 „	.735	.745	81.0	80.0	1.0	79.6	.96	82.0	81.8	„	0.0		Neg.	1.0		5.00
8 „	.749	.829	79.4	78.0	1.4	77.3	.94	80.2	81.6	SE	0.0		Neg.	0.1		7.30
9 „	.788	.874	78.8	77.6	1.2	77.1	.95	79.8	81.4	„	0.0		Neg.	Out of Sc.	3.0	3.00
10 „	.794	.951	76.0	75.0	1.0	74.6	.96	76.5	81.0	NE	0.0	0.62	Neg.	Out of Sc.	Out of Sc.	0.01
11 „	.769	.891	76.4	76.0	0.4	75.9	.98	77.7	80.8	SE	0.0	0.06	Neg.	Out of Sc.	8.0	0.01

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Cu-n nimbi.	
2	L	Light Cci scattered about hor.	
1	D	Light Cci scattered around hor.	
0	D	Cu in E and SE hor.; Cci around hor.	
1	D	Cu in hor. from N to SE; fragments of fleecy clouds in W.	
1	D	" " " " " " "	
3	C	Cu along E hor.; Ci scattered about hor. from NE to SW.	
4	C	Cci around hor.; Ci scattered about; lightning observed in NE at 6h. 52m.	
2	C	Cu in hor. from N to SE; lightning in ENE at intervals of about 3m.	
1	C	" " " " " " " "	
0	L	" " " " " " " "	
0	L	Clear, except in hor.	
3	L	Light Cci scattered about, moving SE.	
2	L	Fragments of light Cci scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 84°3. Daily fall of rain by Osler's Gauge 0.06 in.
4	D	Light Cci and Ci scattered throughout.	
6	D	Light Cci scattered throughout, moving SE.	
7	D	Light Cci and Ci scattered throughout, the former moving SE.	
6	D	" " " " " " "	
6	C	" " " " " " "	
6	C	Cci around hor.; Ci scattered about.	
8	C	Cci around hor.; Cci scattered throughout.	
6	C	Cci along W hor., moving E; Ci scattered about.	
8	L	Cci around hor.; otherwise clouded with Cci.	
7	L	" " " " "	
7	L	" " " " "	
5	L	Cci around hor.; Cci scattered about.	
7	D	Cu in NE, E, and SE hor.; Cci scattered throughout.	
5	D	Electrical Cu in E and SE; light Cci scattered about. [SE.	On the 27th Maximum Tension was 16 Scale Divisions by Volta No. 1.
6	D	Electrical Cu along E hor.; Ci and fleecy clouds scattered about, the latter moving	On the 28th, at about 4 P. M., the Wind shifted from NW to ENE and was blowing with about 0.7 lb. force; loud peals of thunder were heard at this time, accompanied with lightning and rain; this storm passed from NE to W round by S. Wind blew abnormally on this day.
7	D	Electrical Cu along E hor.; fleecy clouds around hor.; Ci scattered throughout.	
7	C	Electrical Cu along E hor.; fleecy clouds scatd. throughout, moving SE. [6h. 13m.	
8	C	Cu & Cs around hor.; Cci & dense fleecy clouds scattered thro.; lightning in NE at	
6	C	Cci & light Cci scattered thro.; light *rain* at 7h. 58m.; *lightning* in NE, E, & SE.	
8	C	Overcast with Cci & Cci, the former moving E; rain ceased at 8h. 47m.; lightning	
8	C	Overcast with Cci and Cci; rain commenced at 9h. 3m. [in SW.	
8	C	Overcast; rain ceased at 10h. 45m.	
7	C	Densely clouded with Cci and Ci, the former moving E.	
3	L	Light Cci scattered around hor.; light*ning* in W and NW at intervals of about 3m.	Mean daily Temperance of Ground 20 and 60 inches below its surface 81°6 and 84°2. Daily fall of rain by Osler's Gauge 0.76 in. Maximum Tension of Electricity by Henly's Apparatus 3 Scale Divisions. Maximum length of Sparks by Ronald's Measure 0.07 in.
8	D	Overcast with Cci; lightning in W at intervals of about 2m.	
3	D	Cci scattered around hor.; hazy.	
6	D	Cci scattered about; hazy; a few stars dimly visible.	
6	D	Cci around hor.; Ci scattered throughout; a few stars dimly visible.	
4	C	Cci around hor.; Ci scattered throughout; lightning in SW at intervals.	
7	C	Cci around hor., moving SW; Ci scattered throughout.	
3	C	Cci in W above hor.; Ci scattered about.	
6	C	" " " " "	
3	L	Cci from NE to SE hor.; Ci about the remainder of hor.	
3	L	Cu and Ci in E hem.; Ci scattered about. [NE and SE; Ci around hor.	The force of Wind was higher than 1 lb.; the Range of Temperature of Air was 11.2, the highest during the *month*; at 3 P. M. the height of Barometer was 29.673, the lowest during the month; at 2 P. M. the Temperature of Air was 87°2, being about 2°2 higher than the Normal Mean; at 2 P. M. the Temperature of Wet Bulb Thermometer was 82°0, being about 4° higher than the Normal Mean.
4	L	Electrical Cu along hor. from NE to SW; masses of Cci in E; patches of Cci in	
3	C	Electrical Cu along hor. as before; patches of Cci in N; Cci and Ci around hor.	
4	D	Cci scattered around hor.; Cu along E hor.; a few Ci scattered about 7th. [2h. 23m.	
3	D	Electrical Cu along E hor.; Ci scattered about SW, W, & NW hor.; thunder in NE at	
7	D	Nearly overcast with Cs; Cci scattered in S, SW, & W; thunder continually heard	
8	D	Overcast with Cci, moving from E to SW; light rain at 4h. 3m. for 32m. [in NE.	
7	C	Nearly overcast with Cci; a few Ci in N and NE; raining lightly at full hour.	
6	C	Clouded as before; light rain at 6h. 12m.; lightning in SW at 6h. 54m.	
8	C	Overcast with Cci; continuous lightning in N and NE.	
6	C	Cci scattered throughout; lightning observed in NE, E, & SW. [wind at 9h. 12m.	
8	L	Overcast with Cci, motion not apparent; lightning in W, N, & NE; fresh gusts of	
8	L	Overcast; raining lightly; lightning and thunder in N at intervals of 30 seconds.	
8	L	Overcast; continuous lightning in W; raining lightly.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Sept. 30th Midnight	29.756	28.881	76°6	76°0	0°6	75°8	0.97	77°7	80°7	SSE	0.0	0.04				
1 a. m.	.743	.863	76.2	76.0	0.2	75.9	.95	77.2	80.6	E	0.0					
2 „	.723	.880	76.0	75.0	1.0	74.6	.96	76.5	80.4	NNE	0.0	0.01				
3 „	.719	.878	76.2	75.0	1.2	74.5	.95	76.4	80.4	N b E	0.0					
4 „	.715	.872	76.0	75.0	1.0	74.6	.96	76.0	80.3	„	0.0					
5 „	.737	.859	76.4	76.0	0.4	75.9	.98	76.0	80.3	NE	0.0	0.01				
6 „	.743	.868	76.6	76.0	0.6	75.8	.97	77.0	80.2	ENE	0.0					
7 „	.785	.884	77.8	77.0	0.8	76.7	.97	79.0	80.2	SE b S	0.0					
8 „	.800	.909	78.7	77.0	1.7	76.3	.93	80.3	80.4	SSE	0.0					
9 „	.815	.923	80.8	77.6	3.2	76.4	.87	81.4	80.6	SW b S	0.0					
10 „	.825	.854	83.5	80.2	3.3	79.0	.87	83.4	80.9	SSW	0.2					
11 „	.805	.808	84.3	81.0	3.3	79.9	.87	84.2	81.2	„	0.2					
Noon.	.775	.823	84.8	80.1	4.7	78.4	.82	84.4	81.4	„	0.3				None.	
1 p. m.	.764	.811	84.4	80.0	4.4	78.4	.83	84.0	81.5	„	0.1					
2 „	.750	.804	85.0	80.0	5.0	78.2	.81	85.0	81.6	„	0.1					
3 „	.730	.830	85.4	79.0	6.4	76.6	.76	85.0	81.7	SW	0.1					
4 „	.742	.851	82.4	78.0	4.4	76.3	.83	82.4	81.6	WSW	0.0					
5 „	.750	.846	81.2	78.0	3.2	76.8	.87	81.5	81.5	SW b S	0.0					
6 „	.762	.866	80.8	77.7	3.1	76.5	.87	81.1	81.5	S b W	0.0		Neg.	0.14		0.03
7 „	.783	.892	80.2	77.4	2.8	76.3	.88	80.5	81.4	„	0.0					
8 „	.802	.897	80.0	77.7	2.3	76.8	.90	80.3	81.3	S	0.0					
9 „	.819	.914	80.0	77.7	2.3	76.8	.90	80.7	81.2	SSE	0.1		Neg.	0.1		Above 10m.
10 „	.823	.923	79.0	77.3	1.7	76.6	.93	79.6	81.1	ESE	0.0		Neg.	0.1		Above 10m.
11 „	.809	.926	78.4	76.7	1.7	76.0	.93	79.4	81.1	„	0.0		Neg.	0.1		Above 10m.
Oct. 1st-Midnight	.798	.907	78.0	76.8	1.2	76.3	.95	78.8	80.9	SE b E	0.1		Neg.	0.5		Above 10m.
1 a. m.	.790	.906	77.9	76.6	1.3	76.1	.94	78.4	80.8	E b S	0.1					
2 „	.774	.890	77.9	76.6	1.3	76.1	.94	78.4	80.8	SE b E	0.1		Neg.	1.0		Above 10m.
3 „	.773	.911	77.8	76.0	1.8	75.3	.92	78.3	80.7	SE b S	0.0					
4 „	.781	.913	78.0	76.2	1.8	75.5	.92	78.8	80.7	„	0.0					
5 „	.795	.935	78.0	76.0	2.0	75.2	.92	78.8	80.6	SE	0.0					
6 „	.815	.968	78.0	75.7	2.3	74.7	.90	78.8	80.5	SE b S	0.1					
7 „	.839	.947	78.6	77.0	1.6	76.4	.93	79.7	80.5	SE b E	0.1					
8 „	.870	.960	80.6	78.0	2.6	77.0	.89	81.5	80.7	„	0.1					
9 „	.882	.984	82.5	78.2	4.3	76.6	.83	82.8	80.9	SSE	0.1					
10 „	.879	.958	84.2	79.2	5.0	77.4	.81	83.8	81.2	„	0.2					
11 „	.879	.938	85.5	79.8	5.7	77.7	.78	85.2	81.5	S b E	0.2	None.			None.	
Noon.	.847	.886	84.8	80.3	4.5	78.7	.83	85.0	81.6	S	0.3					
1 p. m.	.808	.855	84.4	80.0	4.4	78.4	.83	84.2	81.7	SSW	0.1					
2 „	.778	.863	84.0	79.0	5.0	77.2	.81	84.0	81.8	„	0.1					
3 „	.771	.836	86.0	80.0	6.0	77.8	.77	86.0	82.0	„	0.1					
4 „	.785	.841	85.2	80.0	5.2	78.1	.80	86.0	82.4	S b W	0.1					
5 „	.802	.869	82.4	79.0	3.4	77.8	.86	82.0	82.1	„	0.1					
6 „	.828	.922	81.0	78.0	3.0	76.8	.88	81.0	81.9	„	0.1					
7 „	.831	.918	80.4	78.0	2.4	77.1	.90	80.2	81.7	S	0.0					
8 „	.852	.939	80.4	78.0	2.4	77.1	.90	80.4	81.6	S b E	0.0					
9 „	.866	.943	80.2	78.2	2.0	77.4	.92	80.7	81.6	SSE	0.0		Neg.	2.0		2.00
10 „	.872	.967	79.6	77.6	2.0	76.8	.92	80.4	81.5	SE	0.0		Neg.	1.0		1.20
11 „	.878	.948	79.6	78.2	1.4	77.7	.94	80.4	81.4	SE b E	0.1		Neg.	8.0		0.40
Oct. 2nd-Midnight	.864	.938	79.2	78.0	1.2	77.5	.95	80.0	81.4	SE b E	0.1		Neg.	5.0		1.00
1 a. m.	.839	.911	79.0	78.0	1.0	77.6	.96	79.8	81.2	„	0.0		Neg.	3.0		0.30
2 „	.839	.923	78.6	77.6	1.0	77.2	.96	79.4	81.0	„	0.0		Neg.	1.0		Above 10m.
3 „	.831	.912	78.3	77.6	0.7	77.3	.97	79.2	81.0	„	0.1					
4 „	.825	.935	78.2	76.8	1.4	76.3	.94	79.0	81.0	SSE	0.1					
5 „	.832	.933	78.0	77.0	1.0	76.6	.96	78.4	80.9	„	0.0	None.			None.	
6 „	.844	.949	78.4	77.0	1.4	76.5	.94	79.8	80.9	„	0.0					
7 „	.876	.952	79.4	78.0	1.4	77.5	.94	80.0	80.9	„	0.0					
8 „	.883	.946	82.0	79.0	3.0	77.7	.88	82.2	81.0	S b E	0.1					
9 „	.902	.941	83.6	80.0	3.6	78.7	.86	83.6	81.5	„	0.3					
10 „	.904	.947	84.4	80.1	4.3	78.6	.83	84.2	81.6	„	0.2					
11 „	.884	.886	85.8	81.4	4.4	79.9	.83	85.5	81.9	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀≀ nimbi.	
8	L	Overcast; rain ceased at 10m. after midnight; continuous lightning in W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 84°2. Daily fall of rain by Osler's Gauge 0.04 in. Wind blew abnormally with a force exceeding 1 lb.; at 4 A. M. the height of Barometer was 29.715 ins., being about 0.71in. lower than the Normal Mean.
8	D	Overcast; raining lightly.	
8	D	Overcast with ≀≀ whose motion was not apparent.	
8	D	" " " " " "	
8	D	Overcast; light rain at 4h. 16m.	
6	C	≀≀ scattered about; a few ≀ in E; light rain at 5h. 2m. which lasted 13m.	
7	C	Densely clouded with ≀≀; a few ≀ in E.	
7	C	≀≀ scattered about, moving W; a few ≀ in E.	
6	C	≀≀ scattered throughout.	
7	L	∩ along E hor.; otherwise clouded with ≀≀ and light ≀.	
8	L	∩ around hor.; a few pieces of ≀≀ in W; otherwise clouded with ≀≀ and ≀.	
6	L	∩ in E hem.; otherwise clouded with ≀ and ≀≀.	
5	L	" " " " " "	
5	D	Electrical ∩ along E hor.; otherwise clouded with ≀ and ≀≀. [2h. 25m.	
3	D	∩ from N to SE hor.; a few here and there about hor.; thunder heard in E at	
8	D	Almost overcast with ∩ inosculated into dense ≀≀; continuous thunder in E.	
8	D	Electrical ∩ along E hor.; otherwise clouded with ≀≀; threatening appearance	
8	C	Clouded with ≀≀ as before; ∩ along E hor. [in E; continuous thunder in E.	
5	C	∩ in NE and E; ≀≀ scattered about.	
8	C	Overcast with ≀≀; lightning observed in E at 7h. 6m.	
8	C	Overcast with ≀≀ whose motion was not apparent.	
8	L	Overcast with light ≀≀; a few stars dimly visible in W.	
7	L	Densely clouded with ≀≀ and ≀; a few stars dimly visible about zth.	
3	L	≀≀ scattered around hor.	
2	L	≀≀ scattered around hor. in E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 84°2. The Range of Temperature of External Air was 8°2, the lowest during the month.
6	C	≀≀ scattered about, except in W which is cloudless.	
5	C	≀≀ scattered about, moving SW.	
5	C	" " " " ; lightning in W at 3h. 2m.	
5	C	≀≀ scattered throughout, except in NW and N.	
4	C	" " " " "	
7	C	Densely clouded with ≀≀, moving W; dark bank of clouds in E.	
6	C	" " " " " " " "	
3	L	∩ along hor.; ≀ and ≀≀ scattered about hor.	
3	L	∩ in E slowly rising in elevation; ≀ and ≀≀ scattered about.	
5	L	∩ bespread about; ≀≀ in E, SE, and S; ≀ scattered throughout. [11h. 42m.	
6	L	≀≀ above ESE hor.; ≀≀ scatd. about zth.; ∩ & ≀ bespread thro.; thunder heard at	
8	L	∩ and ∪ around hor.; otherwise densely clouded with ≀, ≀≀, and ≀≀, the latter	
8	D	Overcast with ≀≀, moving NE; ∩ around hor. [moving N.	
8	D	" " " " "	
6	D	Nearly overcast with ∩ inosculated into ≀≀.	
8	D	Overcast with ≀≀, moving NE.	
8	D	∩ around hor.; otherwise densely clouded with ≀≀. [of about 3m.	
8	D	Overcast with ≀≀ whose motion was not apparent; lightning in NE at intervals	
8	D	Overcast; continuous lightning in E, N, and W.	
8	D	Overcast; lightning in NW.	
8	L	Overcast; lightning in NW at intervals of about 40 seconds.	
8	L	Overcast; lightning in NW at intervals of about 18 seconds; a few stars dimly	
8	L	Overcast; no lightning. [visible about zth.	
8	L	Overcast with ≀≀ whose motion was not apparent.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 84°2. Mean daily fall of rain by Osler's Gauge 0.06 in. At about 10 A. M. the height of Barometer was 29.904 ins., which was about 0.03 in. higher than the Normal Mean.
8	N	" " " " " "	
8	N	Clouded as before; stars dimly visible.	
3	N	≀≀ scattered about hor.; otherwise clear.	
1	N	A few clouds around hor.	
1	D	" " "	
5	D	≀≀ around hor.; ≀≀ scattered about.	
6	D	" " " "	
4	D	≀≀ in hor.; a few patches of ≀≀ in E, NE, and NW; ≀ scattered about.	
3	L	Dense clouds scattered around hor.; a few ≀ here and there.	
4	L	∩ along E hor.; dense ≀≀ in SW, N, and E; ≀≀ and ≀ scattered about.	
4	L	∩ & ∪ in NW, N, and S hor.; ≀≀ above E, NE, & S hor.; ≀≀ scattered about.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 2nd–Noon.	29.855	28.881	86°4	81°0	5°4	79°1	0.80	85°7	82°1	S	0.3					
1 p. m.	.833	.857	86.2	81.0	5.2	79.2	.80	86.2	82.2	SW b S	0.1					
2 „	.814	.840	86.4	81.0	5.4	79.1	.80	86.6	82.2	„	0.1					
3 „	.789	.847	84.6	79.8	4.8	78.1	.81	84.4	82.2	„	0.1					
4 „	.790	.896	82.8	78.2	4.6	76.4	.82	83.2	82.1	SW	0.1					
5 „	.815	.920	82.0	78.0	4.0	76.5	.84	82.2	82.0	SW b W	0.0					
6 „	.829	.923	81.0	78.0	3.0	76.8	.88	81.2	81.9	„	0.0		None.	None.	None.	None.
7 „	.850	.935	80.2	78.0	2.2	77.4	.91	80.8	81.7	SW	0.0					
8 „	.867	.990	80.0	77.0	3.0	75.8	.88	80.2	81.7	„	0.0					
9 „	.878	.978	80.4	77.7	2.7	76.6	.89	81.0	81.6	NW b N	0.1					
10 „	.872	.980	78.6	77.0	1.6	76.4	.93	79.6	81.5	N b W	0.0	0.06				
11 „	.846	.932	78.8	77.6	1.2	77.1	.95	79.8	81.4	SE b S	0.1					
Oct. 3rd–Midnight	.842	.928	78.8	77.6	1.2	77.1	.95	79.8	81.3	S b E	0.2					
1 a. m.	.825	.940	78.5	76.8	1.7	76.1	.93	79.2	81.3	SE b S	0.1					
2 „	.809	.914	78.4	77.0	1.4	76.5	.94	79.2	81.2	S b E	0.1					
3 „	.805	.927	77.8	76.4	1.4	75.9	.94	78.8	81.0	„	0.0					
4 „	.809	.933	78.0	76.4	1.6	75.8	.93	78.8	80.8	SSE	0.0					
5 „	.821	.961	78.0	76.0	2.0	75.2	.92	78.4	80.8	SE b S	0.0					
6 „	.833	.969	77.6	76.0	1.6	75.4	.93	78.6	80.7	„	0.0					
7 „	.848	.926	79.5	78.0	1.5	77.4	.94	80.8	80.8	„	0.0					
8 „	.871	.959	82.3	78.5	3.8	77.1	.85	82.2	81.1	„	0.0					
9 „	.871	.923	83.9	80.0	3.9	78.6	.85	83.9	81.5	„	0.1					
10 „	.879	.939	84.8	79.8	5.0	78.0	.81	84.2	81.6	S b E	0.1					
11 „	.860	.950	85.2	79.2	6.0	77.0	.77	84.7	81.8	SW	0.1		None.	None.	None.	None.
Noon.	.834	.905	85.4	79.7	5.7	77.6	.78	85.2	82.0	„	0.1					
1 p. m.	.805	.854	86.1	80.4	5.7	78.4	.78	85.4	82.0	„	0.1					
2 „	.775	.851	87.0	80.0	7.0	77.5	.74	86.2	82.2	SW b W	0.1					
3 „	.761	.883	87.4	80.2	7.2	77.6	.74	86.4	82.4	WSW	0.1					
4 „	.761	.842	84.4	79.2	5.2	77.3	.80	86.2	82.4	„	0.0					
5 „	.775	.891	83.0	78.0	5.0	76.1	.80	83.2	82.3	W b S	0.0					
6 „	.780	.883	81.8	78.0	3.8	76.5	.85	82.0	82.1	W	0.0					
7 „	.793	.929	81.2	77.0	4.2	75.4	.83	82.0	82.0	„	0.0					
8 „	.822	.918	81.2	78.0	3.2	76.8	.87	82.0	81.9	„	0.0					
9 „	.832	.926	81.4	78.1	3.3	76.8	.87	81.8	82.0	„	0.0					
10 „	.829	.926	81.3	78.0	3.3	76.7	.87	80.9	81.9	W b S	0.0					
11 „	.817	.913	79.5	77.5	2.0	76.8	.92	80.4	81.6	„	0.0					
Oct. 4th–Midnight	.804	.904	79.4	77.4	2.0	76.3	.92	80.2	81.6	W	0.0					
1 a. m.	.784	.860	79.4	78.0	1.4	77.5	.94	80.2	81.5	W b N	0.0					
2 „	.773	.847	79.2	78.0	1.2	77.5	.95	80.2	81.5	N b E	0.0					
3 „	.773	.861	79.0	77.6	1.4	77.1	.94	80.1	81.4	„	0.0					
4 „	.773	.851	78.8	77.8	1.0	77.4	.96	79.8	81.4	NE b N	0.0					
5 „	.793	.894	78.0	77.0	1.0	76.6	.96	80.0	81.2	„	0.1					
6 „	.806	.909	78.2	77.0	1.2	76.5	.95	80.2	81.1	„	0.1					
7 „	.828	.913	80.2	78.0	2.2	77.2	.91	81.2	81.2	„	0.1					
8 „	.847	.954	82.2	78.0	4.2	76.4	.83	82.2	81.3	NE	0.1					
9 „	.846	.900	83.9	79.7	4.2	78.2	.84	83.5	81.7	NE b E	0.1					
10 „	.847	.905	84.6	79.8	4.8	78.1	.81	84.2	81.9	„	0.0					
11 „	.821	.905	85.4	79.4	6.0	77.2	.77	85.0	82.0	NE	0.1		None.	None.	None.	None.
Noon.	.791	.863	86.6	80.0	6.6	77.6	.76	86.2	82.2	NW b W	0.1					
1 p. m.	.763	.828	87.6	80.4	7.2	77.8	.74	86.4	82.5	„	0.2		None.	None.	None.	None.
2 „	.739	.783	88.0	81.0	7.0	78.5	.74	86.8	82.6	„	0.2					
3 „	.711	.731	88.2	81.6	6.6	79.3	.76	87.4	82.8	„	0.3					
4 „	.705	.766	88.0	80.6	7.4	78.0	.73	87.0	82.9	„	0.2					
5 „	.720	.803	85.8	79.5	6.3	77.2	.76	85.2	82.9	NW	0.1					
6 „	.732	.852	83.4	78.0	5.4	75.9	.79	84.2	82.7	„	0.1					
7 „	.752	.940	82.4	76.0	6.4	73.4	.75	82.2	82.6	NNW	0.0					
8 „	.773	.907	81.0	77.0	4.0	75.4	.84	81.2	82.4	„	0.0					
9 „	.788	.933	80.2	76.5	3.7	75.0	.85	80.4	82.2	„	0.0					
10 „	.780	.903	80.0	77.0	3.0	75.8	.88	80.2	82.1	NNE	0.0					
11 „	.767	.883	79.4	77.0	2.4	76.1	.90	80.0	82.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	L	& in NW, N, and S hor.; above E, NE, & S hor.; scattered about.	
5	N	and about hor. from N to SE; scattered about.	
6	N	and about E hor. as before; scattered about, moving NNE.	
7	N	and as before about hor.; scattered throughout.	
5	N	along E hor.; scattered about, moving NE.	
6	D	in hor.; , , and scattered throughout; moving NE.	
5	D	in hor.; and scattered throughout.	
4	D	scattered about; lightning in NE at intervals of 1m. 15s. [rain at 8h. 57m.	
4	D	scattered about, hor.; scattered about; lightning in NE; a passing shower of	
8	L	Overcast with , moving N; stars dimly visible in SW; light rain at 9h. 15m.	
8	L	Overcast with , moving N.	
8	L	" " "	
8	L	Overcast with , moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 84°2. Wind blew abnormally on this day.
8	N	" " " ; a few stars dimly visible.	
3	N	scattered around hor., otherwise clear.	
3	N	" " " " "	
4	N	" " " " "	
3	D	" " " " "	
7	D	from SW to NW hor.; around remainder of hor.; scattered throughout.	
5	D	" " " " " " "	
5	D	from S to N hor.; in remainder of hor.; scattered about. [of in N.	
4	L	dense clouds, , & scatd. about hor.; from NW to NE above hor.; patches	
4	L	from W to E hor.; and dense clouds in remainder of hor.; in NE.	
5	L	" " " " " " " "	
6	L	in SE, S, and SW hor.; and scattered about;	
5	N	in E and SE; and fleecy clouds scattered about, the latter moving NE.	
5	N	" " " " " " " " "	
5	N	" " " " " " " " "	
8	N	in E and SE; in NE and N above hor.; scattered about, moving NE.	
8	D	in E and SE; in NE and N above hor.; and scattered throughout.	
7	D	in E & NE; around hor.; dense scatd. thro.; lightning in NE every 1m. 30s.	
7	D	around hor.; scattered throughout; continuous lightning in NE.	
7	D	and scattered throughout; lightning in NE at intervals of 1m. 29s.	
6	L	scattered throughout, except in NE and E.	
3	L	scattered about hor.	
4	L	" " "	
5	L	scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°2.
2	N	scattered around hor.; otherwise clear.	
2	N	" " " " "	
2	N	" " " " "	
2	N	" " " " "	
2	D	scattered around hor.; dew falling.	
3	D	in hor.; scattered about; fog along E. hor. and mist along W.	
2	D	in hor. from N to SE; scattered about remainder of hor.; mist in hor.	
1	D	in hor. from N to SE; patches of fleecy clouds above E & SE hor.; mist in hor.	
2	L	and around hor.; above E and SE hor.; a few patches of in W.	
5	L	and dense clouds around hor.; scattered about zth., moving SSW;	
3	L	around hor., except in SE; above NE, E, & SE hor. [above E & SE hor.	
1	N	and fleecy clouds along hor.; scattered in W and SW.	
2	N	" " " " " " "	
2	N	along hor. from N to SE; fleecy clouds scattered about remainder of hor.	
2	N	" " " " " " " "	
3	N	above N and NE hor.; in E and SE; fleecy clouds scattered about hor.	
2	D	from N to SE hor; in N & NE above hor.; dense scattered about. [in E.	
3	D	from NW to SE hor.; fleecy clouds scattered around hor.; continuous lightning	
5	D	bespread about E hem.; in hor. as before; continuous lightning in E.	
3	D	Fleecy clouds scattered about hor.; continuous lightning in SE hor.	
2	D	scattered about, except in zth.; continuous lightning in SE hor.	
5	D	scattered throughout.	
3	D	scattered about hor.; otherwise clear.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 6th-Midnight	29.738	28.786	81°4	79°2	2°2	78°4	0.91	81°9	82°6	NW	0.0					
1 a. m.	.731	.769	81.2	79.4	1.8	78.7	.93	81.9	82.5	Calm.	0.0			Lost.		
2 „	.715	.769	81.2	79.0	2.2	78.2	.91	81.9	82.5	„	0.0					
3 „	.716	.768	81.0	79.0	2.0	78.3	.92	81.8	82.5	„	0.0					
4 „	.718	.767	80.7	79.0	1.7	78.4	.93	81.6	82.4	„	0.0					
5 „	.731	.774	80.2	79.0	1.2	78.6	.95	81.2	82.3	„	0.0					
6 „	.758	.801	80.2	79.0	1.2	78.6	.95	81.0	82.2	„	0.0					
7 „	.771	.790	81.8	80.0	1.8	79.3	.93	83.2	82.3	„	0.0					
8 „	.790	.835	84.2	80.0	4.2	78.5	.84	84.0	82.5	NE b N	0.1					
9 „	.801	.842	85.0	80.3	4.7	78.6	.82	85.0	82.7	NE	0.0					
10 „	.798	.831	85.8	80.7	5.1	78.9	.81	85.7	82.9	„	0.1					
11 „	.769	.762	87.4	82.0	5.4	80.2	.80	87.0	83.2	N	0.1					
Noon.	.748	.785	88.2	81.2	7.0	78.8	.74	87.6	83.4	NW	0.1	None.	None.	None.	None.	None.
1 p. m.	.726	.743	89.2	81.9	7.3	79.4	.74	88.3	83.4	NW b W	0.1					
2 „	.704	.726	90.0	82.0	8.0	79.3	.72	89.4	83.7	„	0.2					
3 „	.690	.749	90.2	81.2	9.0	78.0	.69	89.2	83.8	„	0.2					
4 „	.684	.699	90.2	82.2	8.0	79.5	.72	89.0	84.0	„	0.2					
5 „	.694	.738	88.0	81.0	7.0	78.5	.74	87.4	84.1	NW	0.1					
6 „	.708	.766	85.4	80.0	5.4	78.1	.79	85.2	83.9	„	0.1					
7 „	.735	.787	84.8	80.0	4.8	78.3	.81	84.0	83.7	„	0.1					
8 „	.753	.796	84.0	80.0	4.0	78.6	.84	84.0	83.6	„	0.1					
9 „	.761	.802	83.8	80.0	3.8	78.6	.85	83.9	83.6	„	0.1					
10 „	.758	.777	83.4	80.4	3.0	79.4	.88	83.8	83.6	„	0.1					
11 „	.749	.758	83.2	80.6	2.6	79.7	.90	83.5	83.5	„	0.1					
Oct. 7th-Midnight	.732	.740	82.8	80.5	2.3	79.7	.91	83.2	83.5	NW b N	0.1					
1 a. m.	.714	.735	82.0	80.0	2.0	79.3	.92	82.5	83.2	Calm.	0.0					
2 „	.706	.787	80.6	78.2	2.4	77.3	.90	81.4	83.1	„	0.0					
3 „	.703	.784	79.8	78.0	1.8	77.3	.92	80.6	82.8	„	0.0					
4 „	.704	.764	80.2	78.6	1.6	78.0	.93	81.2	82.8	„	0.0					
5 „	.705	.788	80.0	78.0	2.0	77.2	.92	80.4	82.9	NNW	0.1					
6 „	.733	.888	79.4	76.0	3.4	74.7	.86	80.0	82.7	„	0.1					
7 „	.769	.819	80.8	79.0	1.8	78.3	.93	80.2	82.6	N b W	0.0					
8 „	.779	.857	83.4	79.0	4.4	77.4	.83	82.4	82.7	N b E	0.0					
9 „	.796	.881	84.7	79.2	5.5	77.2	.79	84.4	83.0	NNE	0.0					
10 „	.795	.858	85.8	80.0	5.8	77.9	.78	85.2	83.1	NE b N	0.1					
11 „	.775	.877	86.3	79.2	7.1	76.6	.74	85.6	83.3	NE	0.0					
Noon.	.749	.851	87.9	79.6	8.3	76.6	.70	86.9	83.5	W b S	0.1	None.	None.	None.	None.	None.
1 p. m.	.726	.822	88.8	80.0	8.8	76.8	.69	88.0	83.5	W b N	0.1					
2 „	.708	.770	89.6	81.0	8.6	77.9	.70	88.2	83.7	NW b W	0.1					
3 „	.692	.758	90.0	81.0	9.0	77.9	.68	89.0	83.9	„	0.2					
4 „	.692	.755	89.7	81.0	8.7	77.9	.69	88.4	84.0	„	0.2					
5 „	.698	.776	87.2	80.0	7.2	77.4	.73	87.2	84.1	NW	0.1					
6 „	.708	.766	85.4	80.0	5.4	78.1	.79	84.2	83.9	NW b N	0.1					
7 „	.736	.788	84.8	80.0	4.8	78.3	.81	84.0	83.7	„	0.1					
8 „	.746	.789	84.0	80.0	4.0	78.6	.84	83.8	83.6	Calm.	0.0					
9 „	.754	.790	83.4	80.0	3.4	78.8	.86	83.4	83.7	„	0.0					
10 „	.759	.799	82.2	79.6	2.6	78.7	.89	82.4	83.6	„	0.0					
11 „	.754	.790	81.5	79.5	2.0	78.8	.92	82.2	83.4	„	0.0					
Oct. 8th-Midnight	.738	.757	84.8	80.0	1.8	79.3	.93	82.4	83.4	NW b N	0.0					
1 a. m.	.721	.763	80.8	79.2	1.6	78.6	.93	82.2	83.3	Calm.	0.0					
2 „	.716	.749	80.8	79.4	1.4	78.9	.94	81.8	83.1	„	0.0					
3 „	.711	.759	80.6	79.0	1.6	78.4	.93	81.2	83.0	„	0.0					
4 „	.713	.723	81.0	80.0	1.0	79.6	.96	82.0	82.8	„	0.0					
5 „	.724	.772	80.6	79.0	1.6	78.4	.93	80.8	82.7	„	0.0					
6 „	.742	.783	80.2	79.0	1.0	78.6	.96	81.6	82.6	„	0.0					
7 „	.777	.822	80.4	79.0	1.4	78.5	.94	82.0	82.7	NW b N	0.1					
8 „	.799	.822	82.2	80.0	2.2	79.2	.91	83.2	82.8	„	0.0					
9 „	.817	.845	82.6	80.0	2.6	79.1	.90	83.2	83.0	NNW	0.0	Immeasurable.	None.	None.	None.	None.
10 „	.808	.839	82.9	80.0	2.9	79.0	.88	83.4	83.0	E b S	0.0					
11 „	.786	.825	84.4	80.2	4.2	78.7	.84	85.2	83.1	ESE	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Ni nimbi.	
4	L	Ci scattered about; lightning in SW every two minutes.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 84°8.
6	N	Dense Cc scattered about, moving SW.	
8	N	" " " " "	
8	N	" " " " "	
8	N	" " " " "	
8	D	Overcast with dense Cc, moving NW.	
8	D	" " " " ; mist in hor.	
5	D	Cc scattered about, moving NW; mist in hor.	
3	D	Cc scattered in E hem.; light mist around hor.	
1	L	Cu in hor. from SW to NE; Cc and Ci around hor.	
1	L	Cu and Cc around hor.; a few patches of Cc S of zth. [Cc in SW.	
1	L	Cu around hor., except in SE and NW; a few streaks of Ci in E; a few patches of	
0	L	Cu around hor., except in N; a few streaks of Ci in E.	
1	N	Cu and patches of fleecy clouds around hor.; otherwise clear.	
1	N	" " " " " " "	
1	N	" " " " " " "	
1	N	" " " " " " "	
2	D	Cu in NE and E hor.; fleecy clouds around remainder of hor. [E hor.	
2	D	Cu in NE and E hor.; and fleecy clouds about remainder of hor.; lightning in	
0	D	Clear, except in hor.; lightning in E.	
0	D	Clear, except in hor.	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°9. The Wind blew abnormally on this day.
0	N	" " "	
0	N	" " "	
1	N	" " "	
1	N	A few clouds along E hor.	
0	D	Light Cc scattered from NE to SE.	
0	D	Clear, except in hor.	
0	D	Clear, except a few clouds in hor.; mist around hor.	
0	D	" " " " " [S; mist in hor.	
0	L	A few patches of Cc and a few Ci in E and SE above hor.; a solitary cloud in	
0	L	A few Ci in S and SE; a few dense Cc in NE and W; mist along W hor.	
0	L	Ci in S and SW hor.; dense Cc in NE and SE hor.; mist along W hor.	
0	L	" " " " " " " "	
0	N	A few fragments of fleecy clouds along E hor.; otherwise clear.	
0	N	" " " " " " "	
0	N	" " " " " " "	
0	N	" " " " " " "	
0	D	Cu in E hor.; otherwise clear.	
0	D	Cu in E hor.; Ci above SE and S hor.	
3	D	Light Ci scattered about.	
2	D	" " "	
3	L	Light Ci scattered about, except in zth.	
2	L	" " " "	
6	L	Cc and Ci scattered throughout.	
4	L	Cc and Ci scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°8. The direction of Wind was abnormal.
4	N	" " " "	
4	N	" " " "	
8	N	Densely clouded with Cc and a few Ci whose motion was not apparent.	
6	N	Dense Cc scattered throughout; lightning in S.	
5	D	" " " " " "	
8	D	Densely clouded with Cc.	
7	D	Cu in SE and S hor.; Cc scattered throughout; mist in NW and N hor.	
8	D	Overcast with Cc whose motion was not apparent; mist in hor.	
8	L	Overcast with Cc; Cs and Cs in E; mist in NW and N hor.	
8	L	" " " " " " "	
7	L	Cu from N to SE hor.; light Cc in SW, N, and about zth.; Cc scattered throughout.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 8th–Noon.	29.765	28.789	86°2	81°0	5°2	79°2	0.80	86°0	83°4	W b S	0.0					
1 p. m.	.734	.782	87.6	80.8	6.8	78.4	.75	86.8	83.5	„	0.1					
2 „	.716	.725	88.8	82.0	6.8	79.7	.75	88.0	83.7	„	0.1					
3 „	.712	.739	89.6	81.8	7.8	79.1	.72	88.4	84.0	W	0.1	Immeasurable.	Neg.	0.3		0.1
4 „	.719	.770	88.6	81.0	7.6	78.3	.73	87.8	84.0	„	0.1					
5 „	.734	.797	85.8	80.0	5.8	77.9	.78	86.0	83.8	WNW	0.1				None.	
6 „	.736	.865	84.2	78.0	6.2	75.6	.76	84.2	83.8	„	0.0					
7 „	.762	.884	83.5	78.0	5.5	75.9	.79	84.0	83.7	NW b W	0.0				None.	
8 „	.784	.902	83.2	78.0	5.2	76.0	.80	83.4	83.6	„	0.0					
9 „	.808	.852	82.6	79.6	3.0	78.5	.88	83.0	83.5	E b S	0.1					
10 „	.811	.872	81.8	79.0	2.8	78.0	.89	82.7	83.3	E	0.0					
11 „	.793	29.008	77.8	74.0	2.8	72.4	.84	79.2	82.7	N b W	0.0					
Oct. 9th–Midnight	.774	28.953	78.0	75.0	3.0	73.8	.87	79.2	82.5	N b E	0.1					
1 a. m.	.761	.914	79.2	76.0	3.2	74.7	.87	80.0	82.5	ENE	0.0					
2 „	.757	.873	79.4	77.0	2.4	76.1	.90	80.2	82.5	E b N	0.1					
3 „	.757	.873	79.4	77.0	2.4	76.1	.90	80.2	82.4	„	0.1					
4 „	.742	.854	79.0	77.0	2.0	76.2	.92	80.4	82.3	NE b N	0.0					
5 „	.773	.920	78.6	76.0	2.6	75.0	.89	80.0	82.2	„	0.0					
6 „	.782	.892	78.8	77.0	1.8	76.6	.93	80.2	82.1	„	0.0					
7 „	.806	.900	81.0	78.0	3.0	76.8	.88	82.0	82.2	NE	0.0					
8 „	.829	.896	82.4	79.0	3.4	77.8	.87	82.6	82.5	NE b E	0.0					
9 „	.832	.912	83.5	79.0	4.5	77.3	.82	83.4	82.7	„	0.0					
10 „	.829	.886	84.5	79.8	4.7	78.1	.82	84.4	82.9	„	0.1					
11 „	.805	.873	85.9	79.9	6.0	77.7	.77	85.5	83.0	NW b W	0.0	None.	None.	None.	None.	None.
Noon.	.774	.850	87.0	80.0	7.0	77.5	.74	86.2	83.3	„	0.1					
1 p. m.	.745	.791	88.2	81.0	7.2	78.5	.74	88.0	83.5	W b N	0.2					
2 „	.716	.769	88.8	81.0	7.8	78.2	.72	88.2	83.5	„	0.2					
3 „	.702	.812	88.6	79.6	9.0	76.3	.68	88.0	83.5	WNW	0.2					
4 „	.699	.830	88.2	79.0	9.2	75.5	.67	87.2	83.4	„	0.2					
5 „	.707	.856	86.0	78.0	8.0	74.9	.70	86.0	83.3	„	0.2					
6 „	.724	.855	84.4	78.0	6.4	75.5	.75	84.2	83.2	NW b W	0.1					
7 „	.762	.847	84.0	79.0	5.0	77.2	.81	83.8	83.1	„	0.1					
8 „	.785	.908	83.6	78.0	5.6	75.8	.78	84.0	83.4	NW	0.1					
9 „	.785	.821	83.4	80.0	3.4	78.8	.86	83.5	83.3	„	0.1					
10 „	.777	.856	82.3	78.7	3.6	77.4	.86	82.8	83.1	„	0.1					
11 „	.774	.841	81.2	78.7	2.5	77.8	.90	82.0	83.1	„	0.0					
Oct. 10th–Midnight	.761	.813	81.0	79.0	2.0	78.3	.92	81.9	83.0	NW	0.0					
1 a. m.	.740	.796	80.6	78.8	1.8	78.1	.92	81.4	82.8	„	0.0					
2 „	.729	.780	80.2	78.8	1.4	78.3	.94	81.0	82.6	„	0.0					
3 „	.725	.772	79.8	78.8	1.0	78.4	.96	80.8	82.6	„	0.0					
4 „	.726	.765	79.8	79.0	0.8	78.7	.97	80.8	82.6	„	0.0					
5 „	.726	.729	80.4	80.0	0.4	79.9	.94	82.6	82.5	NW b W	0.0					
6 „	.749	.790	80.0	79.0	1.0	78.6	.96	81.2	82.4	NE b E	0.0					
7 „	.787	.795	80.8	80.0	0.8	79.7	.97	81.4	82.5	ENE	0.0					
8 „	.800	.834	83.2	80.0	3.2	78.9	.87	84.0	82.6	E	0.0					
9 „	.819	.827	84.7	81.0	3.7	79.7	.86	84.8	83.0	E b S	0.1					
10 „	.813	.783	85.0	82.0	3.3	80.9	.87	85.4	83.2	SE	0.0					
11 „	.777	.782	86.0	81.4	4.6	79.8	.82	85.7	83.4	S	0.1					
Noon.	.751	.755	86.8	81.6	5.2	79.8	.80	86.4	83.5	SW b W	0.1	None.	None.	None.	None.	None.
1 p. m.	.724	.700	88.2	82.6	5.6	80.7	.79	87.6	83.6	W b S	0.1					
2 „	.701	.654	89.5	83.4	6.1	81.7	.78	88.6	84.0	W	0.1					
3 „	.690	.671	90.0	82.9	7.1	80.5	.75	89.4	84.2	WNW	0.1					
4 „	.694	.681	90.0	82.8	7.2	80.4	.74	89.0	84.4	„	0.1					
5 „	.717	.759	87.8	81.0	6.3	78.6	.75	87.2	84.3	W b N	0.1					
6 „	.731	.760	85.4	80.7	4.7	79.2	.82	86.2	84.2	„	0.1					
7 „	.761	.844	83.8	79.0	4.8	77.2	.81	84.0	84.6	„	0.0					
8 „	.773	.918	82.0	77.0	5.0	75.0	.80	82.2	83.8	SSE	0.2					
9 „	.783	.888	82.0	78.0	4.0	75.8	.84	82.6	83.6	S b W	0.0					
10 „	.778	.893	81.4	77.6	3.8	76.1	.85	82.2	83.5	„	0.1					
11 „	.773	.897	80.5	77.1	3.4	75.8	.86	81.2	83.3	SE b S	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
4	L	Electrical in E rising in elevation; scattered about; mist in hor.	
2	N	Fleecy clouds along E hor.; scattered in SW, W, and NW.	
4	N	Fleecy clouds scattered about, moving SE. [occasional thunder in SE.	
6	N	and in E & SE; light and fleecy clouds scattered about, moving SE;	
6	N	Clouded as per last hour; partial rainbow observed in E at 4h. 30m. [at 5h. 17m.	
7	N	Clouded as at 4 P. M.; two rainbows in NNE & ESE respectively; a few drops of rain	
8	D	Electrical in E hem.; scattered throughout. [in NNE.	
6	D	in NE, E, and NE hor.; & scattered throughout; continuous lightning	
8	D	around hor.; otherwise clouded with ; continuous lightning in NNE.	
8	L	Densely clouded with and , both moving W; lightning in NE every 4m.	
8	L	Overcast in two strata with , moving W; lightning & thunder in N; cold breezes at	
8	L	Overcast with & , moving W; a few stars visible NW & N of zth. [10h. 15m.	
6	L	in S hem.; scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°8.
8	N	Overcast with whose motion was imperceptible.	
8	N	" " " " " "	
8	N	" " " " " "	
5	D	Light and a few masses of scattered about.	
4	D	in E and SE; light scattered about.	
3	D	A few patches of in E, SE, and W; light scattered about hor. [hor.	
2	D	in SE & S hor.; above hor. from S to NW; about remainder of hor.; mist in	
1	D	in SE & S hor.; in SW, W, & NW hor.; mist from N to SW hor. [N hor.	
1	L	in hor. from W to SE; above W & SW hor.; light in ESE; mist from W to	
1	L	& dense clouds about hor. from W to SE; in E, S, & NW; in NW.	
1	L	& dense clouds around hor., except in SW; light scattered here & there.	
1	L	in hor. from N to SE; scattered about hor., except in N and NE.	
1	N	Fleecy about hor. from NNE to SSW; scattered here and there at intervals.	
1	N	in NE; fleecy clouds along E hor.; scattered about hor.	
1	N	in NE & SE hor.; fleecy in remainder of hor.; scattered here & there.	
1	N	" " " " " " " " " "	
1	D	Fleecy ; dense scattered around hor.	
1	D	" " " " "	
2	D	" " " " "	
3	D	" " " " "	
2	L	scattered around hor. and about zth.	
2	L	Light scattered about hor.; a lunar-halo.	
5	L	scattered throughout, except in NW, N, and NE of zth.; a lunar-halo.	
5	L	Light and haze scattered throughout; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°8 and 83°8.
3	N	scattered about; lightning in SSE every minute. [posited on grass.	
2	N	scattered about; lightning in SSE at intervals of about 1m. 20s.; dew de-	
1	N	" " " " " " " " " "	
3	N	around hor.; lightning in S at intervals of about 1m. 20s.; dew falling.	
5	D	and fragments of fleecy clouds scattered about; continuous lightning in S.	
5	D	and fleecy clouds scattered about, the latter moving SE.	
6	D	Fleecy clouds scattered throughout, moving SE.	
4	D	Fleecy clouds above E and SE hor.; scattered about.	
4	L	Fleecy clouds in hor. from S to N; scattered about; mist in NW and N hor.	
3	L	in SE, E, and W hor.; scattered about; mist in NW and N hor.	
4	L	around hor., except in N; scattered about; mist in N hor.	
3	L	and scattered about hor.; mist in N hor.	
3	N	Fleecy scattered around hor.	
3	N	" " " "	
3	N	from NE to SE hor.; scattered about remainder of hor.	
3	N	" " " " " " " " "	
4	D	in hor. from NE to SW; scattered about. [ous lightning in E.	
7	D	in hor. from NE to SW; otherwise clouded with and light ; continu-	
6	D	scattered about; continuous lightning in E.	
6	D	around hor., moving E; scattered throughout; lightning in ESE every ½m.	
6	L	in S and SW hor.; scattered about; lightning in ESE.	
6	L	Light scattered about; hazy.	
6	L	Light scattered throughout; a few fragments of light above S and SW.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in Recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 11th-Midnight	29.763	28.895	79°4	76°6	2°8	75°5	0.88	80°2	83°0	SE b S	0.1					
1 a. m.	.754	.881	79.0	76.6	2.4	75.7	.90	80.0	82.7	„	0.1					
2 „	.739	.866	78.6	76.5	2.1	75.7	.91	79.8	82.6	„	0.1					
3 „	.732	.844	78.6	76.9	1.7	76.2	.93	79.8	82.5	„	0.1					
4 „	.722	.836	78.4	76.8	1.6	76.1	.93	79.6	82.4	„	0.0					
5 „	.744	.849	78.4	77.0	1.4	76.5	.94	79.2	82.2	SSE	0.1					
6 „	.762	.874	79.0	77.0	2.0	76.2	.92	80.0	82.1	„	0.1					
7 „	.790	.866	79.4	78.0	1.4	77.5	.94	80.0	82.1	SE	0.1					
8 „	.804	.858	81.2	79.0	2.2	78.2	.91	82.0	82.4	SE b S	0.1					
9 „	.822	.882	82.8	79.3	3.5	78.0	.86	83.2	82.5	„	0.1					
10 „	.811	.828	85.5	81.0	4.5	79.4	.83	85.5	82.9	„	0.2					
11 „	.796	.809	86.4	81.3	5.1	79.5	.81	85.7	83.2	SSW	0.1	None.	None.		None.	
Noon.	.768	.781	86.4	81.3	5.1	79.5	.81	86.2	83.3	„	0.1					
1 p. m.	.744	.753	87.2	81.6	5.6	79.7	.79	87.0	83.4	SW	0.0					
2 „	.718	.743	87.5	81.3	6.2	79.2	.77	87.0	83.5	„	0.0					
3 „	.708	.715	87.8	81.8	6.0	79.7	.78	87.8	83.6	W b S	0.0					
4 „	.709	.796	88.0	80.0	8.0	77.1	.71	87.4	83.8	WNW	0.1					
5 „	.721	.841	86.4	78.8	7.6	75.9	.72	85.4	83.8	NW b W	0.1					
6 „	.727	.875	83.8	77.4	6.4	74.9	.76	84.0	83.6	NNW	0.2					
7 „	.755	.881	83.2	77.8	5.4	75.7	.79	83.4	83.5	„	0.2					
8 „	.775	.863	82.8	78.6	4.2	77.1	.83	83.2	83.4	„	0.2					
9 „	.788	.900	82.6	78.0	4.6	76.2	.82	81.6	83.2	„	0.0			1.0		0.01
10 „	.789	.880	80.7	78.0	2.7	77.0	.89	81.4	83.0	„	0.0			1.0		0.01
11 „	.782	.869	80.2	78.0	2.2	77.2	.91	80.8	82.9	„	0.0					
Oct. 13th-Midnight	.824	.948	78.3	76.5	1.8	75.8	.92	78.8	81.9	NE b N	0.1					
1 a. m.	.813	.953	78.0	76.0	2.0	75.2	.92	78.6	81.7	NE b E	0.1					
2 „	.806	.936	77.8	76.2	1.6	75.7	.93	78.6	81.6	„	0.1					
3 „	.805	.938	77.4	76.0	1.4	75.5	.94	78.2	81.5	„	0.1					
4 „	.809	.946	77.0	75.8	1.2	75.4	.95	78.0	81.4	„	0.1					
5 „	.830	.998	77.0	75.0	2.0	74.2	.91	77.8	81.3	„	0.0					
6 „	.860	29.024	76.6	75.0	1.6	74.3	.93	77.5	81.2	„	0.0					
7 „	.892	.008	77.6	76.0	1.6	75.4	.93	78.2	81.1	ESE	0.1					
8 „	.888	.043	79.5	76.0	3.4	74.7	.86	80.2	81.3	SE	0.1					
9 „	.896	28.971	81.6	78.6	3.0	77.5	.88	82.0	81.5	SE b S	0.3					
10 „	.899	.965	83.2	79.4	4.4	77.8	.83	83.4	81.9	„	0.1					
11 „	.878	29.015	84.2	77.8	6.4	75.3	.76	83.7	82.0	„	0.1	None.	None.	None.	None.	None.
Noon.	.844	28.999	84.8	77.5	7.3	74.7	.73	84.2	82.1	W b S	0.1					
1 p. m.	.823	.969	85.7	78.0	7.7	75.0	.71	84.8	82.3	WSW	0.0					
2 „	.800	.962	86.6	78.8	7.8	75.5	.71	86.0	82.5	W b S	0.1					
3 „	.795	.969	86.4	77.6	8.8	74.0	.68	85.2	82.6	WNW	0.1					
4 „	.797	.994	84.6	76.4	8.2	73.1	.69	84.1	82.5	„	0.1					
5 „	.800	.997	83.2	76.0	7.2	73.1	.72	83.0	82.4	NW b W	0.1					
6 „	.821	29.035	81.2	75.0	6.2	72.4	.76	81.4	82.3	NW	0.1					
7 „	.841	.044	80.4	75.0	5.4	72.9	.78	80.6	82.1	„	0.1					
8 „	.858	.052	79.4	75.0	4.4	73.2	.82	80.0	82.0	„	0.1					
9 „	.869	.059	79.0	75.0	4.0	73.3	.84	78.8	81.8	„	0.0					
10 „	.871	.074	77.6	74.2	3.4	72.9	.86	78.2	81.5	„	0.0					
11 „	.865	.060	77.4	74.4	3.0	73.2	.87	78.2	81.4	„	0.0					
Oct. 14th-Midnight	.861	.052	77.0	74.4	2.6	73.3	.89	78.0	81.3	NW	0.0					
1 a. m.	.844	.022	76.9	74.7	2.2	73.8	.91	77.8	81.1	„	0.0					
2 „	.831	.023	76.4	74.2	2.2	73.3	.91	77.8	81.0	NNW	0.0					
3 „	.832	28.994	76.6	75.0	1.6	74.3	.93	77.8	80.5	N b W	0.0					
4 „	.837	.986	77.0	75.5	1.5	74.9	.94	78.0	80.8	NE	0.0					
5 „	.850	29.018	77.0	75.0	2.0	74.2	.91	78.2	80.8	NE b E	0.0					
6 „	.868	.029	76.4	75.0	1.4	74.4	.94	77.4	80.7	NE	0.1	None.	None.	None.	None.	None.
7 „	.889	.027	77.8	76.0	1.8	75.3	.92	78.2	80.6	„	0.1					
8 „	.911	.036	80.2	77.0	3.2	75.8	.87	80.0	80.8	„	0.1					
9 „	.929	.051	81.4	77.4	4.0	75.9	.84	81.2	81.1	NE b E	0.1					
10 „	.926	.041	82.5	77.9	4.6	76.1	.82	82.2	81.3	„	0.1					
11 „	.898	28.997	83.8	78.6	5.2	76.7	.80	83.2	81.6	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩∩ cumulo-strati; and ∩≀ nimbi.	
3	L	Light ∩≀ in SW hor.; ≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°8 and 83°8. Wind blew abnormally on this day.
3	N	A few fragments of dense fleecy clouds in W and NW; ≀ scattered about hor.	
4	N	≀ and fleecy clouds scattered about, the latter moving E.	
3	N	" " " " " " "	
3	N	≀ and fleecy clouds scattered about, both moving E; dew falling.	
5	D	Light ∩≀ in hor.; ≀ scattered about; dew falling. [throughout.	
7	D	∩ in SE hor.; ∩≀ in remainder of hor., moving SE; ≀ and ∩≀ scattered	
7	D	∩ from NE to SE hor.; ∩∩ around hor.; ∩≀ above S and SW hor.; ≀ scattered	
7	D	∩≀ around hor., moving SE; ≀ scattered throughout. [throughout.	
8	L	∩ in E hor.; ≀ and ∩≀ scattered throughout, the former moving E.	
8	L	Fleecy ∩ around hor., except in SE; otherwise clouded with ≀; mist in N hor.	
8	L	Clouded as at 10 a. m. [throughout.	
8	L	Fleecy ∩ around hor., except in SE and NW; ∩≀ in N hor.; ≀ scattered	
8	N	Fleecy clouds around hor.; otherwise clouded with ≀ and ∩≀.	
8	N	∩ along E hor.; otherwise clouded with ≀ and ∩≀.	
8	N	" " " " " "	
8	N	" " " " " "	
8	L	Fleecy ∩ in E and SE hor.; ∩≀ above E and SE hor.; ≀ scattered throughout.	
8	L	Fleecy ∩ in E and SE hor.; otherwise clouded with ≀.	
7	L	Densely clouded with ≀; a lunar-halo.	
7	L	" " " "	
7	L	A few patches of fleecy clouds in SE; ≀ scattered throughout; a lunar-halo.	
7	L	Densely clouded with ≀; a lunar-halo.	
8	L	" " " "	
8	L	Overcast with ≀; hazy; a few stars dimly visible in E and NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 83°9.
6	N	≀ scattered about; dew deposited on the grass.	
7	N	" " " " "	
5	N	" " " " "	
4	N	" " " " "	
5	D	≀ scattered about hor.; dew falling.	
6	D	Fleecy clouds around hor.; ≀ scattered throughout.	
6	D	Dense fleecy clouds in hor.; ≀ scattered throughout; mist from W to N hor.	
5	D	Fleecy clouds around hor.; ≀ scattered throughout; mist in NW and N hor.	
8	L	Fleecy ∩ around hor., except in SE; ≀ scattered throughout; mist in NW & N	
7	L	Fleecy ∩ around hor.; otherwise clouded with ≀; mist in N hor. [hor.	
7	L	Fleecy ∩ around hor., except in SE and E; ≀ scattered throughout.	
8	L	" " " " " " " "	
8	N	∩ in E hor.; otherwise clouded with dense ≀.	
8	N	" " " " "	
8	N	Fleecy ∩ along E hor.; otherwise clouded with dense ≀.	
8	N	" " " " " "	
8	D	Dense ≀ scattered throughout.	
8	D	" " " "	
8	D	" " " "	
8	D	Densely clouded with ≀; a lunar-halo.	
5	L	≀ scattered about.	
4	L	" "	
6	L	" "	
6	L	≀ scattered about; a lunar-halo; dew deposited on grass.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 83°9.
6	L	≀ scattered about; dew deposited on plants. [about 2h. 13m. from E.	
5	N	≀ scattered about, except in hor. & zth.; dew falling; lunar eclipse begins at	
5	N	≀ scattered about hor.; dew falling copiously; moon totally eclipsed at 3h. 49m.	
4	N	≀ scattered about, except in hor.; dew falling; WSW portion of moon being partially	
4	D	≀ scattered about; dew falling; the end of eclipse occurred at 5h. 19m. [cleared.	
2	D	Fleecy ∩ & ∩≀ around hor.; ≀ above SE, S, & SW hor.; mist in NW & W hor.	
3	D	∩ scatd. around hor., except in NW; ≀ scatd. in SE & S; mist in hor. from W to N.	
2	D	Fleecy clouds around hor., except in N & NW; light mist in hor. from W to N.	
1	L	Fleecy ∩ around hor., except in NW; light ∩≀ in SW; mist in hor. from W to N.	
1	L	Fleecy ∩ in hor.; a few ≀ in ESE; mist in NW and N hor.	
0	L	Fleecy ∩ from N to SE hor.; a few ≀ in E and SE; light mist in N hor.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 14th-Noon.	29.869	29.007	85°0	78°0	7°0	75°3	0.74	84°0	81°8	WNW	0.1					
1 p.m.	.843	.013	85.8	77.4	8.4	74.1	.69	84.8	81.8	NW	0.1					
2 „	.823	28.981	86.8	78.0	8.8	74.6	.68	85.8	82.0	„	0.3					
3 „	.807	.965	86.8	78.0	8.8	74.6	.68	86.0	82.2	„	0.5					
4 „	.815	.976	86.3	77.8	8.5	74.4	.69	85.4	82.4	„	0.4					
5 „	.823	29.034	*88.0	77.0	11.0	72.6	.61	84.0	82.4	„	0.1					
6 „	.845	28.990	82.0	77.0	5.0	75.0	.81	82.0	82.3	NW b N	0.1	None.	None.	None.	None.	None.
7 „	.869	29.074	80.4	75.0	5.4	72.8	.78	80.0	82.0	„	0.2					
8 „	.886	.087	80.0	75.0	5.0	73.0	.80	80.0	81.8	N b W	0.1					
9 „	.885	.071	80.0	75.4	4.6	73.5	.81	80.0	81.7	„	0.1					
10 „	.885	.043	99.6	76.0	3.6	74.5	.85	79.8	81.7	„	0.1					
11 „	.884	.055	78.4	75.2	3.2	73.9	.87	78.8	81.5	„	0.1					
Oct. 15th-Midnight	.869	.046	77.8	75.0	2.8	73.8	.88	78.2	81.0	NNE	0.0					
1 a.m.	.858	.026	77.0	75.0	2.0	74.2	.91	78.0	81.0	„	0.0					
2 „	.849	.007	76.8	75.2	1.6	74.6	.93	77.8	80.7	„	0.0					
3 „	.854	.033	76.6	74.6	2.0	73.8	.91	77.4	80.8	„	0.0					
4 „	.866	.095	75.0	72.8	2.2	71.8	.90	76.1	80.6	„	0.0					
5 „	.891	.174	74.0	71.0	3.0	69.6	.87	75.2	80.5	N b E	0.0					
6 „	.903	.124	75.0	73.0	2.0	72.1	.91	76.0	80.4	„	0.0					
7 „	.926	.132	77.0	74.0	3.0	72.8	.87	78.0	80.5	„	0.0					
8 „	.939	.101	80.0	76.0	4.0	74.4	.84	80.2	80.6	„	0.1					
9 „	.948	.094	82.1	77.0	5.1	75.0	.80	81.9	80.9	NNE	0.1					
10 „	.941	.107	83.2	76.8	6.4	74.3	.75	82.5	81.0	NE	0.1					
11 „	.921	.062	83.8	77.6	6.2	75.2	.76	83.2	81.3	NE b E	0.1	None.	None.	None.	None.	None.
Noon.	.894	28.994	85.4	79.0	6.4	76.6	.76	84.4	81.5	NW b W	0.1					
1 p.m.	.869	.992	86.3	78.7	7.6	75.8	.72	85.2	81.7	NW	0.3					
2 „	.837	.961	86.8	78.8	8.0	75.8	.70	86.0	82.0	„	0.5					
3 „	.831	.985	86.5	78.0	8.5	74.7	.69	86.0	82.1	„	0.5					
4 „	.834	29.013	85.8	77.2	8.6	73.8	.68	84.6	82.2	„	0.5					
5 „	.854	.099	84.0	75.0	9.0	71.2	.67	83.2	82.1	„	0.1					
6 „	.862	.112	81.0	74.0	7.0	71.0	.73	80.2	81.8	NW b N	0.1					
7 „	.882	.123	80.2	74.0	6.2	71.3	.75	80.0	81.7	„	0.1					
8 „	.903	.131	79.0	74.0	5.0	71.8	.80	78.2	81.6	„	0.1					
9 „	.897	.185	78.4	72.2	6.2	69.3	.75	78.4	81.3	N b W	0.1					
10 „	.895	.167	77.3	72.3	5.0	70.0	.79	77.5	81.1	NNW	0.1					
11 „	.897	.200	75.8	71.0	4.8	68.7	.80	76.2	80.8	„	0.0					
Oct. 16th-Midnight	.889	.162	75.4	71.7	3.7	70.0	.84	76.2	80.6	NNW	0.0					
1 a.m.	.874	.108	76.2	73.0	3.2	71.6	.86	76.2	80.5	„	0.0					
2 „	.873	.149	75.0	71.5	3.5	69.9	.85	75.0	80.3	„	0.0					
3 „	.867	.037	77.2	75.0	2.2	74.1	.91	77.1	80.3	„	0.2					
4 „	.870	.107	75.8	72.8	3.0	71.5	.87	76.0	80.2	„	0.1					
5 „	.889	.149	75.2	72.0	3.2	70.5	.86	76.0	80.1	„	0.1					
6 „	.915	.175	75.2	72.0	3.2	70.5	.86	76.2	80.0	„	0.1					
7 „	.942	.148	77.0	74.0	3.0	72.8	.87	77.2	80.0	N b W	0.1					
8 „	.962	.156	79.4	75.0	4.4	73.2	.82	79.2	80.2	NNE	0.1					
9 „	.966	.161	81.2	75.5	5.7	73.2	.78	82.9	80.5	NE b N	0.1					
10 „	.955	.154	83.4	76.0	7.4	73.0	.72	82.4	80.7	N	0.1					
11 „	.931	.091	85.5	77.6	7.9	74.5	.71	80.7	81.2	NW	0.3					
Noon.	.903	.003	85.4	79.0	6.4	76.6	.76	84.2	81.2	„	0.5	None.	None.	None.	None.	None.
1 p.m.	.871	.043	85.2	77.2	8.0	74.0	.70	84.0	81.3	„	1.0					
2 „	.849	28.989	85.2	78.0	7.2	75.2	.73	84.2	81.5	„	0.8					
3 „	.837	.978	85.3	78.0	7.3	75.2	.73	84.2	81.7	„	1.2					
4 „	.841	.975	84.6	78.0	6.6	75.4	.75	83.8	81.7	„	0.8					
5 „	.850	29.034	82.0	76.0	6.0	73.6	.77	81.2	81.6	„	0.3					
6 „	.860	.025	80.3	76.0	4.3	74.3	.83	80.0	81.5	„	0.2					
7 „	.872	.034	80.0	76.0	4.0	74.4	.84	80.0	81.4	NW b N	0.1					
8 „	.885	.043	79.6	76.0	3.6	74.6	.85	80.0	81.3	NNW	0.1					
9 „	.887	.082	78.8	74.8	4.0	73.2	.84	79.2	81.1	„	0.2					
10 „	.889	.109	77.6	73.8	3.8	72.2	.84	78.0	81.0	N b W	0.1					
11 „	.883	.142	76.4	72.4	4.0	70.6	.83	77.2	80.7	„	0.1					

* This Observation was a little higher than usual by being accidentally effected by the solar rays.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒∿ cumuli; ⌣∿ cirro-strati; ⌒∿ cumulo-strati; and ≀∿ nimbi.	
0	L	A few ∿ and fleecy ⌒∿ about hor. from N to S.	
0	N	A few patches of fleecy clouds scattered here and there.	
0	N	" " " " " "	
0	N	A few patches of fleecy clouds scattered about hor.	
0	N	" " " " " "	
0	D	A few patches of fleecy clouds in E above hor.	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear, except in hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°9 and 83°9.
0	N	" " " "	
0	N	Clear; dew falling copiously.	
0	N	" " "	
0	N	" " "	
0	D	" " "	
0	D	A few patches of clouds along E hor., moving SE.	
1	D	Fleecy ⌒∿ from S to NW hor.; mist from S to NW hor. fog in remainder of hor.	
0	D	A few patches of clouds in S, SW, & W hor.; light mist in NW & W hor.; fog along E	
0	L	A few fragments of fleecy clouds in N, NE, & E hor.; light mist in N hor. [hor.	
0	L	Fragments of fleecy clouds along hor. from N to SE; light mist in N hor.	
0	L	" " " " " " " " "	
0	L	Patches of fleecy ⌒∿ along hor. from NE to SE.	
0	N	" " " " "	
0	N	" " " " "	
0	N	" " " " "	
0	N	" " " " "	
0	D	A few patches of clouds in E.	
0	D	" " "	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	A few patches of fleecy ⌒∿ in E and ESE hor.	
0	L	A few patches of fleecy clouds in ESE and S hor.	
0	L	Fragments of fleecy clouds in hor. from E to SW; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°8 and 83°9.
0	N	" " " " " "	
1	N	Fleecy clouds scattered above NE, E, and SE hor.; dew falling.	
0	N	Fleecy clouds in E hor.; a solitary piece of cloud in zth., moving NW; dew falling.	
0	N	Clear, except in hor.; dew falling.	
0	D	A few clouds in E hor., otherwise clear; dew falling.	
0	D	A few clouds in E hor.	
1	D	Fleecy ⌒∿ about hor. from E to NW; fog in hor. from N to SE.	
0	D	Fleecy ⌒∿ along E hor.; fog in hor. from NE to SE.	
0	L	A few patches of clouds above SE hor.; light mist in NW and N hor.	
0	L	A few patches of clouds in E and SE hor.	
0	L	A few patches of clouds in NE and E hor.	
0	N	Fleecy clouds scattered about E hor.	
1	N	Fleecy clouds scattered in E above hor.	
1	N	" " " "	
1	N	" " " "	
2	N	Fleecy clouds scattered around hor., except in W and NW.	
3	D	Fleecy clouds around hor.; ∿ scattered here and there.	
4	D	" " " " " "	
3	D	Fleecy clouds scattered around hor.	
4	D	Patches of fleecy clouds scattered about, moving W.	
3	L	" " " " "	
2	L	" " " " "	
1	L	Patches of fleecy clouds from NE to S a little above hor., moving W.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 17th-Midnight	29.876	29.127	76°4	72°6	3°8	70°9	0.84	79°1	80°5	NNW	0.1					
1 a. m.	.858	.005	77.9	75.8	2.1	75.0	.91	78.2	80.5	NW b W	0.2					
2 „	.842	28.969	78.2	76.4	1.8	75.7	.92	78.4	80.5	NW	0.4					
3 „	.840	.979	77.9	76.0	1.9	75.2	.92	78.3	80.5	NW b N	0.5					
4 „	.842	.988	77.8	75.8	2.0	75.0	.96	78.1	80.5	„	0.3					
5 „	.856	29.088	76.0	73.0	3.0	71.7	.87	76.2	80.3	NNW	0.2					
6 „	.890	.144	74.6	72.0	2.6	70.8	.89	76.0	80.1	N b W	0.1					
7 „	.904	.135	76.2	73.0	3.2	71.6	.86	76.4	80.0	„	0.1					
8 „	.929	.148	79.2	74.0	5.2	71.8	.79	79.2	80.2	„	0.1					
9 „	.935	.210	81.2	73.4	7.8	69.9	.70	80.4	80.5	N b E	0.2					
10 „	.927	.214	83.0	73.6	9.4	69.4	.65	82.2	80.7	N	0.1					
11 „	.900	.118	85.1	76.0	9.1	72.2	.67	83.6	81.1	NW	0.1					
Noon.	.873	.083	86.4	76.6	9.8	72.4	.65	85.2	81.4	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.840	28.991	86.2	78.0	8.2	74.8	.70	85.0	81.4	„	0.2					
2 „	.819	.935	86.8	79.0	7.8	76.1	.71	85.8	81.7	NW b N	0.2					
3 „	.807	.912	86.9	79.3	7.6	76.5	.72	86.0	81.8	„	0.1					
4 „	.810	.905	85.3	79.0	6.3	76.8	.76	85.2	82.0	„	0.1					
5 „	.823	.977	82.8	77.0	5.8	74.7	.77	82.2	81.9	„	0.3					
6 „	.833	.969	81.2	77.0	4.2	75.4	.83	81.0	81.7	„	0.2					
7 „	.852	.986	81.0	77.0	4.0	75.4	.84	80.8	81.6	„	0.2					
8 „	.883	29.017	81.0	77.0	4.0	75.4	.84	80.4	81.5	„	0.1					
9 „	.892	28.976	80.8	78.2	2.6	77.2	.89	80.8	81.6	„	0.1					
10 „	.893	.980	80.4	78.0	2.4	77.1	.90	80.5	81.6	„	0.0					
11 „	.887	.978	80.0	77.8	2.2	76.9	.91	80.2	81.5	„	0.1					
Oct. 18th-Midnight	.875	29.004	79.5	76.8	2.7	75.7	.89	79.0	81.4	NW	0.3					
1 a. m.	.862	28.994	79.0	76.5	2.5	75.5	.90	79.4	81.3	„	0.4					
2 „	.847	.967	79.0	76.8	2.2	75.9	.91	79.4	81.2	„	0.5					
3 „	.848	.953	78.8	77.0	1.8	76.3	.92	79.4	81.2	„	0.3					
4 „	.841	.949	78.5	77.0	1.6	76.4	.93	79.2	81.1	„	0.3					
5 „	.854	.996	78.2	76.0	2.2	75.1	.91	78.4	81.0	NW b N	0.4					
6 „	.874	29.031	77.8	75.5	2.3	74.6	.90	78.0	80.9	NNW	0.1					
7 „	.903	.080	77.8	75.0	2.8	73.8	.88	78.2	80.8	„	0.1					
8 „	.922	.077	79.4	76.0	3.4	74.7	.86	80.2	80.9	„	0.1					
9 „	.931	.101	82.5	76.5	6.0	74.1	.77	82.2	81.2	„	0.2					
10 „	.927	.074	84.7	77.7	7.0	75.0	.74	83.4	81.5	„	0.1					
11 „	.906	.138	85.6	75.8	9.8	71.7	.64	84.5	81.8	NW	0.2					
Noon.	.876	.050	86.8	77.6	9.2	74.0	.67	85.3	82.0	„	0.4	None.	None.	None.	None.	None.
1 p. m.	.853	.008	86.5	78.0	8.5	74.7	.69	86.3	82.0	„	0.2					
2 „	.825	.002	86.4	77.4	9.0	73.8	.67	85.0	82.2	„	0.5					
3 „	.816	28.946	86.6	78.6	8.0	75.6	.71	85.8	82.4	NW b N	0.4					
4 „	.817	.939	86.6	78.8	7.8	75.9	.71	85.8	82.5	„	0.2					
5 „	.817	.938	84.0	77.4	6.6	74.8	.75	83.2	82.5	„	0.3					
6 „	.829	.964	81.8	77.2	4.6	75.4	.82	82.0	82.0	„	0.1					
7 „	.849	.957	81.5	77.8	3.7	76.4	.85	81.8	82.0	„	0.1					
8 „	.865	.963	81.4	78.0	3.4	76.7	.86	81.6	81.8	„	0.1					
9 „	.873	29.035	80.0	76.0	4.0	74.4	.84	80.2	81.8	„	0.0					
10 „	.867	.033	79.0	75.6	3.4	74.3	.86	79.2	81.7	„	0.0					
11 „	.859	.074	77.8	74.0	3.8	72.4	.84	78.0	82.5	„	0.0					
Oct. 20th-Midnight	.842	.993	77.6	75.6	2.0	74.8	.92	77.7	81.2	NW	0.0					
1 a. m.	.813	.980	77.3	75.1	2.2	74.2	.91	77.8	81.0	„	0.0					
2 „	.807	.972	76.7	75.0	1.7	74.3	.93	76.8	80.8	„	0.0					
3 „	.807	.982	76.2	74.6	1.6	73.9	.93	76.8	80.6	„	0.0					
4 „	.807	.981	75.9	74.5	1.4	74.0	.94	76.6	80.5	„	0.0					
5 „	.817	29.005	75.4	74.0	1.4	73.4	.94	76.0	80.4	„	0.0					
6 „	.841	.029	75.0	74.0	1.0	73.4	.94	76.0	80.5	NW b N	0.0	None.	None.	None.	None.	None.
7 „	.867	.042	77.6	75.0	2.6	73.9	.89	78.0	80.4	NNE	0.1					
8 „	.886	.041	79.4	76.0	3.4	74.7	.86	79.6	80.5	NE b N	0.1					
9 „	.893	.063	80.7	76.0	4.7	74.1	.82	80.2	80.7	NE	0.2					
10 „	.885	.089	81.7	75.4	6.3	72.8	.75	81.2	80.4	„	0.2					
11 „	.859	.084	82.9	75.2	7.7	72.0	.71	82.2	81.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
0	L	A few fragments of fleecy clouds about hor. from NE to SSE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 83°9.
0	N	A patch of clouds in E and S hor.	
4	N	Patches of fleecy clouds scattered about, moving S.	
1	N	A few patches of fleecy clouds scattered here and there.	
3	N	Patches of fleecy clouds scattered about, moving W.	
2	D	Fleecy clouds scattered around hor.	
1	D	Fleecy clouds around hor., except in NW and N; a few ⌒i in E.	
0	D	Fleecy clouds above SE and S hor,; mist along W hor. and fog along E hor.	
0	D	" " " " " " " "	
0	L	A few patches of ∿i in E and SE; a few to S of zth.	
0	L	Patches of ∿i in hor. from NE to SE.	
0	L	A few patches of ∿i in NE and E hor.	
0	L	A few patches of ∿i along E hor.	
1	N	" " " "	
1	N	" " " "	
3	N	Fleecy ∩i along E hor.; ∿i scattered about.	
6	N	∿i scattered about, moving S.	
5	D	∿i scattered about, moving W.	
6	D	" " " "	
7	D	" " " "	
7	D	" " " "	
8	L	Densely clouded with ∿i and fleecy clouds, whose motion was not apparent.	
8	L	Overcast with dense ∿i, whose motion was not perceptible.	
8	L	" " " " " " "	
8	L	Overcast with ∿i, moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°3 and 83°8.
8	L	Overcast with ∿i, moving NNW.	
8	N	" " " "	
8	N	Overcast with ∿i, moving N.	
8	N	∿i scattered throughout, moving NE.	
6	D	" " " "	
6	D	" " " "	
8	D	" " " "	
7	D	Densely clouded with ∿i, moving N.	
6	L	∿i scattered throughout, except around hor.	
2	L	∿i scattered about hor. from E to SW, and a few patches to N of zth.	
5	L	∿i scattered from E to SW hor. and in N of zth.	
1	L	∿i scattered about hor.	
1	N	∿i about hor. from NE to SE; a few patches in W.	
1	N	∿i and fleecy clouds scattered along E hor.	
1	N	" " " " "	
1	N	" " " " "	
1	N	∿i along E hor.	
5	N	Patches of ∿i scattered about, moving SW.	
8	N	Overcast with ∿i, moving W.	
5	N	∿i scattered about.	
3	N	" "	
4	N	" "	
3	N	" "	
0	L	A few patches of fleecy ∩i along E hor., moving S; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 83°8. At 3 P. M. the height of Barometer was 29.787, which was a little higher than the Normal Mean.
1	N	Fleecy ∩i scattered about hor. from NNW to S (round by E); dew falling.	
6	N	Fleecy clouds scattered about, moving S.	
3	N	Fragments of fleecy clouds scattered about, moving S; dew falling.	
3	N	" " " " " " " "	
1	D	A few clouds in E hor.; dew falling copiously.	
1	D	Fleecy ∩i around hor.; dew deposited on plants.	
1	D	∿i scattered around hor. and in zth.; mist in NW and N hor.; fog along E hor.	
1	D	∿i scattered along E hor.; fog in NE, E, and SE hor.	
1	L	∿i scattered about hor. from NW to E; a few ⌒i E and SE.	
1	L	∿i and ⌒i scattered about hor. at intervals.	
1	L	∿i scattered around hor., and light ⌒i in W and SE.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 20th–Noon.	29.834	29.037	84°1	76°1	8°0	72°9	0.70	83°0	81°3	W	0.1					
1 p. m.	.814	.024	84.4	76.0	8.4	72.6	.69	83.2	81.3	NW b W	0.2					
2 „	.790	.003	84.6	76.0	8.6	72.5	.68	83.2	81.3	„	0.2					
3 „	.787	28.989	84.7	76.3	8.4	72.9	.69	83.4	81.4	„	0.3					
4 „	.795	.991	83.8	76.2	7.6	73.1	.71	82.4	81.4	„	0.2					
5 „	.797	29.063	81.4	75.0	6.4	72.3	.75	80.2	81.3	„	0.1	None.	None.	None.	None.	None.
6 „	.809	.003	79.4	75.0	4.4	73.2	.82	78.8	81.1	NW	0.0					
7 „	.827	.051	78.5	74.0	4.5	72.0	.82	78.2	80.9	„	0.0					
8 „	.836	.091	78.0	73.0	5.0	70.8	.79	78.0	80.8	NW b W	0.0					
9 „	.842	.089	77.4	73.0	4.4	71.1	.82	77.6	80.9	„	0.0					
10 „	.843	.098	76.8	72.6	4.2	70.7	.82	77.2	80.6	„	0.0					
11 „	.839	.088	76.2	72.6	3.6	71.0	.85	76.2	80.5	„	0.0					
Oct. 21st-Midnight	.824	.056	76.0	73.0	3.0	71.7	.87	76.2	80.3	NW b W	0.0					
1 a. m.	.815	.095	75.0	71.4	3.6	69.7	.85	75.4	80.0	„	0.0					
2 „	.801	.047	74.6	72.2	2.4	71.1	.90	75.2	79.8	„	0.0					
3 „	.803	.052	74.2	72.0	2.2	71.0	.91	74.8	79.6	„	0.0					
4 „	.807	.061	74.6	72.0	2.6	70.8	.89	75.2	79.6	„	0.0					
5 „	.815	.066	74.4	72.0	2.4	70.9	.89	74.0	79.6	„	0.0					
6 „	.851	.100	74.2	72.0	2.2	71.0	.90	74.0	79.5	„	0.0					
7 „	.873	.068	76.0	74.0	2.0	73.2	.91	76.2	79.4	„	0.0					
8 „	.889	.072	78.4	75.0	3.4	73.6	.86	78.2	79.5	NE	0.0					
9 „	.904	.072	79.8	75.8	4.0	74.2	.84	79.2	79.9	„	0.0					
10 „	.899	.080	80.7	75.7	5.0	73.7	.80	80.2	80.1	„	0.0					
11 „	.881	.109	81.8	74.8	7.0	71.8	.73	81.2	80.3	NW	0.0	None.			None.	
Noon.	.862	.071	82.5	75.5	7.0	72.6	.73	82.0	80.5	„	0.1					
1 p. m.	.831	.071	83.5	75.0	8.5	71.4	.68	82.3	80.5	NNW	0.2					
2 „	.811	.027	84.3	75.8	8.5	72.3	.68	83.2	80.7	„	0.2					
3 „	.803	.062	84.4	74.8	9.6	70.7	.65	82.2	80.8	„	0.2					
4 „	.815	.116	83.6	73.4	10.2	68.8	.62	80.4	80.7	„	0.2					
5 „	.823	.114	81.4	73.0	8.4	69.2	.67	80.0	80.5	NW b W	0.3					
6 „	.833	.107	79.8	73.0	6.8	69.9	.73	78.4	80.4	„	0.1					
7 „	.855	.083	79.0	74.0	5.0	71.8	.79	78.0	80.3	NW	0.3					
8 „	.878	.139	78.6	73.0	5.6	70.5	.77	78.2	80.2	„	0.1					
9 „	.888	.144	78.2	73.0	5.2	70.7	.79	78.1	80.4	„	0.0					
10 „	.891	.131	77.4	73.2	4.2	71.4	.82	77.4	80.3	„	0.0					
11 „	.881	.119	76.2	72.9	3.3	71.4	.86	76.4	80.0	„	0.0		Neg.	2.0		0.02
Oct. 22nd-Midnight	.864	.116	75.8	72.4	3.4	70.9	.85	76.2	79.9	NW	0.0					
1 a. m.	.848	.101	75.2	72.2	3.0	70.8	.87	76.0	79.6	„	0.0					
2 „	.844	.082	75.2	72.6	2.6	71.4	.89	75.8	79.6	„	0.0					
3 „	.840	.085	74.8	72.3	2.5	71.3	.89	75.3	79.5	„	0.0					
4 „	.842	.051	74.8	72.8	2.0	71.9	.91	75.4	79.4	„	0.0					
5 „	.852	.103	74.4	72.0	2.4	70.9	.90	74.4	79.3	„	0.0					
6 „	.879	.126	74.0	72.0	2.0	71.1	.91	74.2	79.2	„	0.0					
7 „	.901	.096	76.0	74.0	2.0	73.2	.91	77.2	79.2	„	0.0					
8 „	.925	.117	79.2	75.0	4.2	73.3	.83	79.0	79.5	„	0.0					
9 „	.934	.096	80.0	76.0	4.0	74.4	.84	79.6	79.8	N b E	0.0					
10 „	.927	.115	81.6	75.8	5.8	73.4	.77	80.6	80.0	NW b W	0.1					
11 „	.903	.107	82.0	75.5	6.5	72.8	.75	81.2	80.1	W	0.1	None.	None.	None.	None.	None.
Noon.	.880	.093	83.2	75.6	7.6	72.5	.71	82.0	80.3	W b N	0.1					
1 p. m.	.851	.046	83.0	76.0	7.0	73.2	.73	82.4	80.3	NW b W	0.2					
2 „	.841	.049	84.2	76.0	8.2	72.7	.69	83.0	80.5	WNW	0.3					
3 „	.834	.066	84.2	75.4	8.8	71.7	.67	82.6	80.6	NW	0.3					
4 „	.837	.041	83.8	76.0	7.8	72.8	.76	82.2	80.7	„	0.3					
5 „	.842	.024	81.8	76.0	5.8	73.6	.77	80.4	80.8	„	0.3					
6 „	.856	.095	80.0	74.0	6.0	71.4	.76	79.8	80.6	NW b N	0.1					
7 „	.886	.116	79.2	74.0	5.2	71.8	.79	78.4	80.5	„	0.1					
8 „	.900	.121	78.4	74.0	4.4	72.1	.82	78.2	80.4	„	0.1					
9 „	.906	.126	78.3	74.0	4.3	72.2	.82	78.2	80.3	„	0.1					
10 „	.906	.134	78.0	73.7	4.3	71.8	.82	78.0	80.3	„	0.1					
11 „	.900	.135	77.6	73.4	4.2	71.6	.83	77.8	80.2	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	L	scattered around hor.; a few patches SW of zth.	
1	N	and fleecy around hor.	
1	N	" " "	
1	N	" " "	
1	N	" " "	
0	D	A few patches of in SE and S.	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 83°8.
0	N	Clear; dew falling.	
0	N	A few clouds above N, NE, and E hor.; dew falling.	
0	N	" " " " " "	
0	N	" " " " " "	
0	D	" " " " " "	
6	D	and scattered throughout.	
5	D	scattered throughout, moving N; mist along W, and fog along E hor.	
4	D	" " " " " " " " "	
5	L	and a few scattered about, latter moving SSE; above E hor.	
5	L	scattered about, moving N; a few patches of E of zth., moving S.	
3	L	scattered about hor.; above E and SE hor.; in N and NE above hor.	
5	L	scattered about, except in NW; cymoid- above S hor.	
2	N	scattered around hor.	
2	N	" " "	
2	N	" " "	
1	N	" " "	
0	D	A few patches of clouds in E hor.	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	A few clouds along E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°3 and 83°8.
3	N	Fleecy clouds scattered in E hem., whose motion was not apparent.	
2	N	Fleecy clouds scattered about, moving NNW.	
5	N	" " " " "	
6	N	Fleecy clouds scattered throughout, moving N.	
4	D	Patches of fleecy clouds scattered about hor.	
3	D	Patches of fleecy clouds scattered about, moving N. [E hor.	
5	D	Patches of fleecy clouds scattered about, moving N; mist along W, & fog along	
4	D	scattered about, moving N; a few patches of fleecy clouds in NE, moving SE;	
5	L	& light scattered about, the latter moving S. [mist & fog in hor. as before.	
4	L	in E and SE, moving W; light in NE and E, moving S.	
5	L	and fleecy clouds scattered about, both moving W; in NW above hor.	
5	L	scattered about, moving N.	
4	N	" " " "	
4	N	" " " "	
3	N	" " " "	
3	N	scattered around hor.	
1	D	and a few patches of fleecy along E hor.	
1	D	A few clouds in E hor., otherwise clear.	
0	D	Clear, except in hor.	
0	D	" " "	
0	L	" " "	
0	L	A few patches of clouds above E hor.	
0	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the passage of the flame and the report of the discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 23rd-Midnight	29.885	29.123	77°2	73°2	4°0	71°4	0.83	77°5	80°1	NW b N	0.0					
1 a. m.	.863	.083	77.0	73.6	3.4	72.2	.84	77.3	79.8	„	0.1					
2 „	.851	.094	76.3	72.8	3.5	71.2	.85	76.3	79.7	„	0.0					
3 „	.846	.087	74.8	72.4	2.4	71.3	.90	75.4	79.5	„	0.0					
4 „	.857	.091	74.5	72.5	2.0	71.6	.91	75.0	79.4	„	0.0					
5 „	.875	.133	75.0	72.0	3.0	70.6	.87	75.2	79.3	„	0.0					
6 „	.892	.111	74.8	73.0	1.8	72.2	.92	74.4	79.2	„	0.0					
7 „	.934	.138	76.8	74.0	2.8	72.8	.88	78.0	79.4	„	0.0					
8 „	.955	.151	79.5	75.0	4.5	73.1	.82	79.2	79.6	„	0.0					
9 „	.963	.129	80.7	76.1	4.6	74.3	.82	80.0	80.0	NE b E	0.0					
10 „	.951	.126	81.2	76.0	5.2	73.9	.79	80.6	80.1	„	0.1					
11 „	.932	.130	81.1	75.4	5.7	73.0	.77	80.5	80.2	„	0.1					
Noon.	.911	.145	83.0	75.0	8.0	71.6	.70	81.8	80.3	NW b W	0.1	None.	None.	None.	None.	None.
1 p. m.	.884	.124	83.9	75.1	8.8	71.4	.67	82.2	80.4	NW	0.1					
2 „	.870	.082	84.5	76.0	8.5	72.5	.68	83.2	80.6	NW b W	0.2					
3 „	.862	.083	84.6	75.8	8.8	72.1	.67	83.2	80.7	„	0.2					
4 „	.869	.110	83.6	75.0	8.6	71.3	.68	81.8	80.5	NW	0.3					
5 „	.871	.128	81.6	74.0	7.6	70.7	.71	80.2	80.6	„	0.1					
6 „	.890	.157	79.2	73.0	6.2	70.2	.75	79.2	80.5	NW b N	0.1					
7 „	.912	.158	78.6	73.4	5.2	71.1	.79	78.2	80.4	„	0.1					
8 „	.933	.187	78.0	73.0	5.0	70.8	.79	78.0	80.4	„	0.0					
9 „	.933	.178	77.2	73.0	4.2	71.2	.82	77.0	80.1	„	0.0					
10 „	.930	.181	76.0	72.5	3.5	70.9	.85	76.2	79.9	„	0.0					
11 „	.924	.184	75.2	72.0	3.2	70.5	.86	75.4	79.7	„	0.0					
Oct. 24th-Midnight	.905	.168	74.8	71.8	3.0	70.4	.87	75.2	79.6	NW b N	0.0					
1 a. m.	.885	.146	74.6	71.8	2.8	70.5	.88	75.2	79.4	„	0.0					
2 „	.873	.112	74.6	72.4	2.2	71.4	.90	75.2	79.3	WNW	0.0					
3 „	.861	.096	75.0	72.6	2.4	71.6	.90	75.4	79.2	N b W	0.0					
4 „	.865	.084	74.8	73.0	1.8	72.2	.92	75.2	79.1	N b E	0.0					
5 „	.886	.189	74.5	72.0	2.5	70.8	.89	75.0	79.0	NE	0.0					
6 „	.905	.159	74.6	72.0	2.6	70.8	.89	75.0	78.9	„	0.0					
7 „	.938	.133	76.0	74.0	2.0	73.2	.91	76.2	79.0	NE b E	0.1					
8 „	.963	.180	78.0	74.0	4.0	72.3	.83	78.0	79.2	„	0.0					
9 „	.973	.199	79.5	74.2	5.3	71.9	.79	78.8	79.5	„	0.0					
10 „	.960	.200	80.7	74.2	6.5	71.4	.74	80.2	79.6	„	0.1					
11 „	.938	.141	81.6	75.4	6.2	72.9	.76	80.4	79.8	„	0.1					
Noon.	.913	.171	82.4	74.2	8.2	70.6	.69	81.0	79.9	W	0.1	None.	None.	None.	None.	None.
1 p. m.	.877	.177	83.5	73.4	10.1	68.8	.63	82.4	80.1	W b N	0.1					
2 „	.860	.101	84.4	75.2	9.2	71.3	.66	83.0	80.2	„	0.2					
3 „	.854	.079	84.7	75.7	9.0	72.0	.67	83.0	80.4	„	0.4					
4 „	.861	.106	84.0	75.0	9.0	71.2	.67	82.2	80.3	„	0.2					
5 „	.881	.100	81.6	75.0	6.6	72.2	.74	80.0	80.3	„	0.1					
6 „	.894	.166	79.6	73.0	6.6	70.0	.74	79.4	80.2	„	0.1					
7 „	.916	.179	78.8	73.0	5.8	70.4	.76	78.0	80.1	„	0.1					
8 „	.931	.187	78.2	73.0	5.2	70.7	.79	78.0	80.1	WNW	0.1					
9 „	.937	.217	78.0	72.3	5.7	69.7	.77	77.9	80.0	NW b W	0.1					
10 „	.940	.217	77.1	72.1	5.0	69.8	.79	77.0	79.8	„	0.0					
11 „	.931	.202	76.2	72.0	4.2	70.1	.82	76.0	79.6	„	0.0					
Oct. 25th-Midnight	.915	.199	75.4	71.4	4.0	69.5	.83	75.4	79.5	NW	0.0					
1 a. m.	.896	.173	74.8	71.4	3.4	69.8	.85	75.2	79.1	NW b N	0.0					
2 „	.888	.146	75.0	72.0	3.0	70.6	.87	75.4	79.1	„	0.0					
3 „	.880	.103	75.2	73.0	2.2	72.0	.90	75.6	79.0	NNE	0.0	0.02				
4 „	.884	.128	74.4	72.2	2.2	71.2	.90	75.2	79.0	„	0.0					
5 „	.897	.144	74.0	72.0	2.0	71.1	.91	74.0	78.8	„	0.0					
6 „	.918	.165	74.0	72.0	2.0	71.1	.91	74.0	78.7	„	0.0		None.	None.	None.	None.
7 „	.939	.141	76.6	74.0	2.6	72.9	.89	76.2	78.8	„	0.0					
8 „	.953	.134	78.2	75.0	3.2	73.7	.87	78.0	79.0	„	0.1					
9 „	.956	.133	80.0	75.6	4.4	73.8	.82	79.2	79.4	„	0.1					
10 „	.947	.146	80.6	75.2	5.4	73.0	.78	79.9	79.5	NE	0.3					
11 „	.921	.134	81.8	75.2	6.6	72.5	.74	81.0	79.6	WNW	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
0	L	A few patches of clouds in NE and E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 83°8.
3	N	Fleecy clouds scattered in E hem.	
2	N	" " " "	
1	N	A few patches of clouds above NE, E, and SE hor.	
5	N	Fleecy clouds scattered about, moving S.	
3	D	Fleecy clouds scattered about hor., moving SE.	
2	D	" " " " " [fog along E hor.	
2	D	Fleecy clouds scattered around hor.; a few patches of ⌒i in E; mist along W, &	
3	D	Fleecy clouds scattered around hor, moving SE; mist and fog in hor. as before.	
3	L	Fleecy clouds scattered around hor., moving SE; light haze along E hor.	
2	L	Fleecy clouds scattered here and there, but densely around hor., moving slowly SE.	
1	L	Fleecy clouds scattered about hor. from N to S.	
1	L	" " " " " "	
1	N	" " " " " "	
1	N	Fleecy clouds scattered around hor.	
1	N	" " " "	
1	N	" " " "	
1	D	" " " "	
1	D	" " " "	
1	D	Clear, except in hor.	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°8.
0	N	" "	
0	N	" "	
1	N	Fleecy clouds scattered around hor., moving S; dew falling.	At about 9 A. M. the height of Standard Barometer was 29.973 in., which was about 0.057 in. higher than the Normal Mean for that hour.
6	N	Fleecy clouds scattered throughout, moving S; dew falling.	
0	D	A few patches of clouds in E hor.; dew falling.	
1	D	A few patches of ⌒i in SW, W, and NW hor.; fog in NE, E, and SE hor.	
1	D	" " " " " " " " "	
1	D	" " " " " " " " "	
1	L	⌒i scattered around hor.; fog along E hor.	
1	L	⌒i scattered around hor., except in NW.	
1	L	⌒i scattered about hor. from N to ESE.	
1	L	" " " " "	
1	N	⌒i scattered around hor., except in NW.	
1	N	" " " "	
1	N	" " " "	
1	N	" " " "	
1	D	A few clouds in NE, E, and SE hor.	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	A few patches of fleecy clouds in SW above hor.	
0	L	Clear, except in hor.	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°8.
0	N	" " "	
0	N	" " "	
0	N	Clear; light dew on the grass about the Observatory.	At 6 A. M. the Temperature of Air was 74.0, the lowest during the month.
0	N	Clear; light dew deposited on grass.	
0	D	A few patches of clouds in E and SE hor.; dew falling.	
0	D	A few patches of clouds in E and SE hor.	
0	D	A few patches of clouds from NE to W hor.; mist along W, and fog along E hor.	
0	D	A few patches of clouds in SW, W, and E hor.; mist and fog in hor. as before.	
0	L	Dense clouds around, except in S and SW; fog in hor. from N to SE.	
1	L	Fleecy clouds in hor., and a few patches S of zth., moving S.	
1	L	⌒i around hor. except in NW.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 25th–Noon.	29.896	29.141	83°0	74°7	8°3	71°2	0.69	82°2	79°9	W b W	0.3					
1 p. m.	.854	.069	83.9	75.8	8.1	72.5	.70	82.8	80.0	WNW	0.3					
2 „	.832	.030	84.0	76.2	7.8	73.0	.71	82.6	80.2	NW b W	0.4					
3 „	.824	.016	84.2	76.4	7.8	73.3	.71	82.8	80.3	„	0.4					
4 „	.825	28.996	84.2	77.0	7.2	74.1	.73	82.6	80.5	„	0.1					
5 „	.847	29.038	82.6	76.0	6.6	73.3	.74	81.2	80.4	„	0.1	None.	None.	None.	None.	None.
6 „	.859	.098	80.0	74.0	6.0	71.4	.76	80.0	80.4	NW	0.1					
7 „	.879	.107	79.0	74.0	5.0	71.8	.80	79.2	80.3	„	0.0					
8 „	.892	.148	78.2	73.0	5.2	70.7	.79	78.0	80.2	„	0.0					
9 „	.899	.114	77.8	74.0	3.8	72.4	.84	78.0	80.2	„	0.1					
10 „	.895	.133	76.5	73.0	3.5	71.4	.85	76.2	80.0	„	0.0					
11 „	.893	.191	75.4	71.0	4.4	68.9	.81	76.0	79.7	„	0.0					
Oct. 28th-Midnight	.899	.054	77.2	75.4	1.8	74.5	.92	77.6	80.2	NNE	0.0					
1 a. m.	.885	.027	77.4	75.8	1.6	75.1	.93	77.8	80.0	„	0.0					
2 „	.880	.050	76.8	74.9	1.9	74.1	.92	77.8	80.0	„	0.0					
3 „	.868	.031	76.2	74.9	1.3	74.4	.94	76.8	79.8	„	0.0					
4 „	.870	.027	76.7	75.2	1.5	74.6	.94	77.2	79.7	„	0.0					
5 „	.891	.090	76.4	74.0	2.4	73.0	.90	76.6	79.6	„	0.0					
6 „	.919	.118	76.4	74.0	2.4	73.0	.90	76.2	79.8	„	0.0					
7 „	.938	.117	78.0	75.0	3.0	73.8	.87	79.0	79.9	„	0.1					
8 „	.951	.106	79.4	76.0	3.4	74.7	.86	79.8	80.2	„	0.0					
9 „	.964	.098	81.0	77.0	4.0	75.4	.84	80.8	80.5	„	0.1					
10 „	.952	.114	82.8	76.8	6.0	74.4	.77	82.2	80.9	„	0.1					
11 „	.931	.060	85.8	78.4	7.4	75.6	.72	84.4	81.1	W b N	0.1	None.	None.	None.	None.	None.
Noon.	.901	.036	85.8	78.3	7.5	75.4	.72	84.2	81.1	NW b N	0.1					
1 p. m.	.873	.022	86.0	78.0	8.0	74.9	.70	84.6	81.4	WNW	0.3					
2 „	.852	28.934	86.8	79.8	7.0	77.3	.74	86.0	81.5	„	0.2					
3 „	.842	.897	87.4	80.6	6.8	78.2	.75	86.3	81.7	„	0.1					
4 „	.847	.921	86.8	80.0	6.8	77.5	.75	86.1	81.9	NW b W	0.2					
5 „	.868	.969	84.6	78.8	5.8	76.6	.78	84.0	81.7	NW	0.1					
6 „	.881	29.065	82.0	76.0	6.0	73.6	.77	82.0	81.5	„	0.0					
7 „	.900	.073	81.0	76.0	5.0	74.0	.80	81.2	81.4	„	0.0					
8 „	.922	.093	80.8	76.0	4.8	74.1	.81	80.6	81.4	„	0.0					
9 „	.919	.036	80.2	77.2	3.0	76.0	.88	80.5	81.4	„	0.0					
10 „	.915	.066	79.0	76.0	3.0	74.8	.88	79.4	81.1	„	0.0					
11 „	.912	.096	77.8	74.8	3.0	73.6	.87	78.2	80.9	„	0.0					
Oct. 29th-Midnight	.899	.069	77.2	75.0	2.2	74.1	.91	77.5	80.7	NW b N	0.0					
1 a. m.	.889	.055	76.8	75.0	1.8	74.3	.92	77.3	80.5	NE b E	0.1					
2 „	.875	.036	76.4	75.0	1.4	74.4	.94	76.8	80.4	„	0.1					
3 „	.876	.042	78.2	74.8	1.4	74.3	.94	76.6	80.2	„	0.0					
4 „	.882	.082	75.8	73.8	2.0	73.0	.91	76.4	80.1	„	0.0					
5 „	.887	.108	75.0	73.0	2.0	72.1	.91	76.2	79.9	„	0.0					
6 „	.925	.118	75.8	74.0	1.8	73.2	.92	76.2	79.7	ENE	0.0					
7 „	.937	.145	77.2	74.0	3.2	72.7	.87	78.0	79.9	„	0.1					
8 „	.947	.139	79.2	75.0	4.2	73.3	.83	79.2	80.1	NE b E	0.0					
9 „	.974	.134	81.2	76.4	4.8	74.6	.81	80.8	80.3	„	0.0					
10 „	.960	.144	82.7	76.2	6.5	73.6	.75	82.6	80.7	„	0.1					
11 „	.929	.106	83.9	76.7	7.2	73.8	.73	82.9	80.8	N b E	0.1					
Noon.	.901	.076	84.7	77.0	7.7	73.9	.71	84.2	81.0	WNW	0.1	None.			None.	
1 p. m.	.859	.042	86.2	77.2	9.0	73.6	.67	85.4	81.2	„	0.1					
2 „	.840	28.996	86.6	78.0	8.6	74.6	.69	86.0	81.4	„	0.2					
3 „	.823	.974	86.2	78.0	8.2	74.7	.70	85.4	81.5	NW b W	0.3					
4 „	.830	29.042	85.6	76.3	9.3	72.3	.66	85.2	81.6	„	0.3					
5 „	.835	.071	83.2	75.0	8.2	71.5	.69	82.6	81.5	NW	0.3					
6 „	.841	.114	81.1	73.4	7.7	70.0	.70	81.2	81.3	„	0.5					
7 „	.863	.078	80.6	74.8	5.8	72.4	.77	80.4	81.1	NW b W	0.6					
8 „	.879	.111	80.0	74.2	5.8	71.7	.77	80.2	81.0	NNW	0.4					
9 „	.879	.196	78.4	71.4	7.0	68.1	.72	78.9	80.9	„	0.1		—	1.0		0.30
10 „	.881	.225	77.0	70.2	6.8	67.2	.72	77.0	80.6	„	0.1					
11 „	.871	.260	75.6	68.4	7.2	64.7	.70	76.4	80.3	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
1	L	∿ around hor., except in NW.	
1	N	∿ around hor.	
1	N	" "	
1	N	" "	
0	N	" "	
0	D	A few clouds along E hor.	
0	D	Clear, except in hor.	
0	D	" " "	
0	D	" " "	
0	D	" " "	
0	D	" " "	
0	D	" " "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 83°6. The Wind blew abnormally on this day.
0	N	" " "	
0	N	" " "	
0	N	" " "	
0	N	" " "	
4	D	∿ scattered about.	
3	D	" "	
2	D	∿ scattered about hor.; mist along W, and fog along E hor.	
5	D	∿ scattered about, moving NW; mist along W, and fog along E hor.	
1	L	∿ scattered from NE to SW above hor.; mist and fog in hor. as before.	
0	L	A few patches of ∿ scattered about hor. from SE to SW; mist in hor.	
0	L	A few patches of clouds scattered in hor. from NE to ESE; mist around hor.	
1	L	" " " " " " " "	
1	N	A few patches of fleecy clouds scattered about hor.	
1	N	" " " " " "	
1	N	" " " " " "	
1	N	" " " " " "	
0	D	" " " " " "	
0	D	Clear, except in hor	
0	D	" " "	
0	D	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	Clear, except in hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4. The Range of Wet Bulb Thermometer was 10.0, the highest during the month. At 9 A. M. the height of Standard Barometer was 29.974 ins., the highest during the month; the Range of Barometer was about 0.151, the highest during the month.
0	N	" " " "	
0	N	" " " "	
0	N	" " " "	
0	N	" " " "	
0	D	" " " "	
0	D	A few patches of clouds in SE and S hor.; dew deposited on grass.	
0	D	A few patches of clouds in SE and S hor.; mist along W, and fog along E hor.	
0	D	Mist and fog in hor. as at 7 A. M.	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	L	A few patches of clouds in E hor.; light haze along E hor.	
0	N	A few fragments of clouds around E hor.	
0	N	" " " " "	
0	N	" " " " "	
0	N	" " " " "	
0	N	Light haze in hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	L	" "	
0	L	" "	
0	L	" "	

Bombay, Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Oct. 30th-Midnight	29.856	29.111	76°0	72°4	3°6	70°7	0.85	76°5	80°1	NNW	0.0					
1 a. m.	.838	.139	75.0	70.8	4.2	68.8	.82	75.6	79.8	„	0.0					
2 „	.830	.224	74.8	68.0	6.8	64.4	.72	75.4	79.5	„	0.0					
3 „	.817	.200	74.4	68.2	6.2	65.0	.74	75.0	79.3	„	0.0					
4 „	.822	.167	73.4	69.0	4.4	66.8	.81	74.0	79.2	„	0.0					
5 „	.835	.153	74.0	70.0	4.0	68.0	.83	74.0	79.1	„	0.0					
6 „	.856	.189	72.4	69.0	3.4	67.3	.85	73.2	79.0	„	0.0					
7 „	.878	.207	75.0	70.0	5.0	67.5	.79	76.2	78.8	„	0.0					
8 „	.893	.257	78.2	70.0	8.2	65.9	.67	78.2	79.1	N	0.1					
9 „	.898	.278	81.2	70.5	10.7	65.2	.60	80.4	79.5	N b E	0.2					
10 „	.884	.190	83.7	73.3	10.4	68.6	.62	82.4	79.9	N	0.1					
11 „	.862	.141	84.1	74.1	10.0	69.7	.63	83.0	80.2	NW	0.1	None.			None.	
Noon.	.835	.084	84.4	75.0	9.4	71.0	.65	83.4	80.4	„	0.4					
1 p. m.	.792	28.970	85.0	77.0	8.0	73.8	.70	83.8	80.5	„	0.4					
2 „	.777	.968	84.8	76.6	8.2	73.3	.69	84.2	80.6	„	0.5					
3 „	.769	.989	84.9	75.9	9.0	72.2	.67	84.3	80.7	„	1.0					
4 „	.765	29.000	83.8	75.2	8.6	71.6	.68	83.4	80.8	„	0.8					
5 „	.777	.010	82.2	74.5	6.7	71.6	.74	81.0	80.9	„	0.4					
6 „	.788	.027	80.0	74.0	6.0	71.4	.76	80.0	80.6	„	0.7					
7 „	.820	.019	79.8	75.0	4.8	73.0	.81	80.0	80.5	NW b N	0.5					
8 „	.834	.099	79.0	73.0	6.0	70.3	.76	79.4	80.4	„	0.3					
9 „	.837	.102	79.0	73.0	6.0	70.3	.76	79.2	80.4	„	0.1					
10 „	.832	.111	77.6	72.2	5.4	69.7	.78	78.2	80.3	„	0.1					
11 „	.832	.135	75.8	71.0	4.8	68.7	.80	76.4	80.0	„	0.0		—	11.0		0.10
Oct. 31st-Midnight	.821	.142	75.6	70.4	5.2	67.9	.78	76.4	79.7	NW b N	0.1					
1 a. m.	.799	.118	75.4	70.4	5.0	68.0	.79	76.0	79.5	„	0.0					
2 „	.795	.137	74.4	69.4	5.0	66.9	.79	75.2	79.3	„	0.0					
3 „	.795	.091	75.2	71.0	4.2	69.0	.82	76.0	79.2	„	0.0					
4 „	.800	.098	75.4	71.0	4.4	68.9	.81	76.2	79.1	„	0.1					
5 „	.817	.132	74.4	70.2	4.2	68.1	.82	74.2	79.1	N b E	0.0					
6 „	.840	.162	74.4	70.0	4.4	67.8	.81	75.0	79.0	NNE	0.0					
7 „	.853	.158	76.0	71.0	5.0	68.6	.79	76.2	79.1	NE b N	0.0					
8 „	.884	.224	76.0	70.0	6.0	67.0	.75	76.2	79.1	NE b E	0.1					
9 „	.897	.206	76.4	71.0	5.4	68.4	.77	76.8	79.0	NE	0.0					
10 „	.889	.195	80.0	72.2	7.8	68.6	.69	80.2	79.3	„	0.0					
11 „	.868	.203	82.0	72.0	10.0	67.2	.62	81.4	79.6	„	0.0	None.			None.	
Noon.	.828	.141	83.0	72.9	10.1	68.2	.63	82.2	79.9	NW	0.0					
1 p. m.	.791	.067	84.0	74.2	9.8	69.9	.64	83.5	80.0	W b N	0.2					
2 „	.775	.023	82.9	74.6	8.3	71.0	.69	82.2	80.0	WNW	0.2					
3 „	.767	.039	84.8	74.5	10.3	70.0	.63	84.2	80.4	NW	0.2					
4 „	.779	.014	82.7	74.9	7.8	71.6	.70	82.3	80.4	„	0.2					
5 „	.796	.048	81.2	74.0	7.2	70.9	.72	81.2	80.4	„	0.1					
6 „	.821	.103	80.5	73.0	7.5	69.6	.71	80.4	80.3	„	0.1					
7 „	.832	.071	80.0	74.0	6.0	71.4	.76	80.0	80.3	„	0.1					
8 „	.856	.095	80.0	74.0	6.0	71.4	.76	80.0	80.2	NW b N	0.1					
9 „	.866	.135	79.4	73.0	6.4	70.2	.74	79.6	80.2	„	0.0		—	2.0		2.00
10 „	.870	.118	78.8	73.4	5.4	71.0	.78	79.2	80.1	„	0.0		—	1.0		5.00
11 „	.865	.084	78.8	74.2	4.6	72.2	.81	79.0	80.1	NE	0.2		—	2.0		1.20
Nov. 1st-Midnight	.845	.128	78.6	72.4	6.2	69.6	.75	78.9	80.0	NNE	0.6		Neg.	1.0		1.00
1 a. m.	.825	.074	78.2	73.2	5.0	71.0	.79	78.4	80.0	ENE	0.2					
2 „	.814	.041	77.6	73.6	4.0	71.9	.83	78.2	79.8	„	0.1					
3 „	.813	.042	77.4	73.6	3.8	71.8	.84	78.0	79.7	NE b E	0.2					
4 „	.811	.054	77.0	73.0	4.0	71.2	.83	78.0	79.6	„	0.0					
5 „	.828	.133	76.0	71.0	5.0	68.6	.79	76.4	79.5	NE	0.0					
6 „	.856	.185	75.0	70.0	5.0	67.5	.79	76.0	79.4	„	0.0					
7 „	.879	.198	77.3	71.0	6.3	68.0	.74	78.0	79.4	„	0.0	None.			None.	
8 „	.898	.271	79.0	70.0	9.0	65.4	.65	79.2	79.5	„	0.0					
9 „	.901	.275	80.7	70.5	10.2	65.4	.61	80.0	79.7	„	0.2					
10 „	.893	.228	82.0	72.0	10.0	67.2	.62	81.2	80.0	„	0.2					
11 „	.876	.203	82.6	72.4	10.2	67.6	.62	81.6	80.2	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Ni nimbi.	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4.
0	N	" "	
0	N	" "	
0	N	" "	
0	D	" "	
0	D	" "	
0	D	" "	
0	D	Mist along W. hor. and fog along E.	
0	D	" " " "	
0	L	Light mist from N to SE hor. "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	N	" " "	
0	N	A few patches of clouds in E; haze around hor.	
0	N	" " " " " "	
0	N	" " " " " "	
0	D	Clear.	
0	D	"	
0	D	"	
0	D	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4.
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	D	A few patches of clouds in E and SE hor.	
2	D	Cc around hor., except in S and SW.	
5	D	Cc scattered about, moving NW.	
8	D	Overcast with Cs and Cc, moving NW.	
8	L	Overcast with Cc and Cs, the latter moving W; mist from W to N hor.	
5	L	Cs in SE, S, and NW; Cc scattered about; light mist in NW and N hor.	
2	L	Cc scattered about hor. from N to SW.	
1	L	Cc in and about hor. from NNE to SW.	
1	N	Cc scattered about hor. from NNE to S.	
2	N	Cc scattered about hor., moving SW.	
2	N	Cc scattered about, moving SW.	
8	N	Overcast with Cs and Cc, both moving SW.	
8	D	Cu above W hor.; otherwise clouded with Cc, moving SW.	
5	D	Cc scattered about.	
7	D	" "	
8	D	Densely clouded with Ci and Cc.	
7	L	Nearly overcast with Cc.	
6	L	Cc and Ci scattered about.	
7	L	Cc in NW and N; otherwise clouded with Ci.	
8	L	Cs in SE and W; otherwise clouded with Ci.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°5.
8	L	Clouded as at midnight; a few stars dimly visible about 2th.	
5	N	Light Cs scattered about, moving SSW.	The Range of Barometer was 0.101, the lowest during the month; the direction of Wind was abnormally.
3	N	Light Cs scattered about hor.	
2	D	" " "	
1	D	Light Cs scattered around hor., except in NE and E.	
6	D	Cc scattered about, moving S.	
1	D	A few patches of Cc in hor. from E to W.	
0	D	A few patches of Cc in hor. from E to SW.	
0	L	A few streaks of Ci in E; light haze along E hor.	
0	L	A few patches of Cc above hor. from NE to ESE; light haze along E hor.	
0	L	Patches of Cc along hor.; Cs and Ci scattered about NE hor.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawes of Volta 1.	Readings of Strawes of Volta 2.	Interval of Time in recovering the same degree of tension after Discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 1st–Noon.	29.854	29.192	83°3	72°3	11°0	67°1	0.60	82°6	80°3	ENE	0.1					
1 p. m.	.826	.121	84.4	73.8	10.6	79.0	.61	83.2	80.4	SW b W	0.1					
2 „	.809	.079	85.0	74.6	10.4	70.1	.62	84.0	80.5	„	0.1					
3 „	.811	.104	85.6	74.2	11.4	69.1	.59	84.2	80.7	SW	0.1					
4 „	.823	.081	85.2	75.0	10.2	70.6	.63	84.1	80.9	„	0.1					
5 „	.835	.095	82.6	74.2	8.4	70.5	.68	82.0	80.7	„	0.1					
6 „	.853	.085	80.0	74.2	5.8	71.7	.77	80.2	80.5	SW b W	0.0					
7 „	.877	.095	78.7	74.2	4.5	72.2	.82	78.6	80.3	„	0.0	None.			None.	
8 „	.902	.107	77.6	74.2	3.4	72.8	.86	78.0	80.2	W	0.0					
9 „	.910	.149	76.6	73.0	3.6	71.4	.85	77.2	80.0	NW	0.0		Neg.	11.0		0.09
10 „	.910	.133	77.2	73.6	3.6	72.0	.85	78.0	80.0	NW b W	0.1		Neg.	3.0		1.05
11 „	.899	.096	77.6	74.4	3.2	73.1	.87	78.2	80.0	N b W	0.1					
Nov. 3rd–Midnight	.895	.020	78.8	76.6	2.2	75.8	.91	79.4	80.7	S	0.0					
1 a. m.	.885	.023	78.8	76.3	2.5	75.3	.90	79.3	80.6	SSW	0.0					
2 „	.870	.006	77.6	76.0	1.6	75.4	.93	78.4	80.5	SW	0.0					
3 „	.863	.023	77.0	75.2	1.8	74.5	.92	77.5	80.4	WSW	0.0					
4 „	.869	.048	76.3	74.5	1.8	73.8	.92	76.9	80.2	SW	0.0					
5 „	.890	28.999	78.0	76.8	0.2	76.3	.95	78.2	80.3	SE	0.0					
6 „	.911	29.018	77.8	76.8	1.0	76.4	.96	78.2	80.3	SE b S	0.1					
7 „	.933	.047	77.8	76.6	1.2	76.1	.88	78.6	80.2	ESE	0.1					
8 „	.948	.077	79.8	76.8	3.0	75.6	.86	80.0	80.3	„	0.0					
9 „	.962	.088	80.3	77.0	3.3	75.7	.82	80.4	80.5	E b S	0.0					
10 „	.945	.071	82.1	77.5	4.6	75.7	.79	81.5	80.7	„	0.1					
11 „	.918	.034	83.4	78.1	5.3	76.2	.78	82.6	81.0	SW	0.0	None.			None.	
Noon.	.885	28.989	84.2	78.6	5.6	76.5	.76	83.2	81.1	WSW	0.1					
1 p. m.	.850	.961	84.9	78.6	6.3	76.3	.76	84.0	81.4	NW	0.2					
2 „	.827	.917	85.9	79.4	6.5	77.0	.72	84.8	81.6	WNW	0.1					
3 „	.819	.933	86.5	79.0	7.6	76.1	.77	84.8	81.7	„	0.1					
4 „	.821	.900	85.8	79.6	6.2	77.4	.81	84.2	81.9	„	0.2					
5 „	.822	.906	83.9	79.0	4.9	77.2	.86	83.0	81.7	NW	0.1		Pos.	6.0		0.20
6 „	.835	.913	81.9	78.6	3.3	77.4	.89	82.0	81.5	„	0.3					
7 „	.856	.918	81.5	78.9	2.6	77.9	.89	81.6	81.5	„	0.2		Pos.	8.0		0.08
8 „	.884	.949	81.4	78.8	2.6	77.8	.89	81.2	81.5	NW b N	0.2		Pos.	6.0		0.12
9 „	.894	.972	81.0	78.4	2.6	77.4	.90	81.0	81.5	„	0.0		Pos.	1.0		0.25
10 „	.889	.947	80.8	78.8	2.0	78.1	.92	80.6	81.5	NW	0.1					
11 „	.877	.902	80.5	78.8	1.7	78.2	.93	80.5	81.4	„	0.2					
Nov. 4th–Midnight	.864	.914	80.4	78.9	1.5	78.3	.94	80.5	81.4	NW	0.1					
1 a. m.	.854	.945	79.6	77.7	1.9	76.9	.92	80.2	81.4	NW b N	0.0					
2 „	.845	.956	78.9	77.0	1.9	76.3	.92	79.6	81.3	NNW	0.0					
3 „	.843	.956	78.4	77.3	1.1	76.9	.95	79.2	81.2	„	0.0					
4 „	.852	.922	78.8	78.0	0.8	77.7	.97	79.4	81.2	„	0.0					
5 „	.860	.943	78.2	77.5	0.7	77.2	.97	78.8	81.0	S b W	0.0					
6 „	.884	.985	77.6	76.9	0.7	76.6	.97	78.2	80.8	„	0.0					
7 „	.910	.970	79.4	78.4	1.0	78.0	.96	80.0	80.8	SSE	0.0					
8 „	.923	.976	81.8	79.2	2.6	78.2	.89	82.0	81.1	SE	0.1					
9 „	.941	29.042	83.1	78.4	4.7	76.6	.82	82.8	81.4	„	0.1		Pos.	1.0		5.00
10 „	.930	.111	84.2	76.7	7.5	73.7	.72	83.2	81.6	„	0.1		Pos.	1.0		3.00
11 „	.912	.019	86.0	79.0	7.0	76.4	.74	84.9	81.9	„	0.1		Pos.	2.0		4.00
Noon.	.882	.042	87.0	78.0	9.0	74.5	.67	85.3	82.1	N	0.1		Pos.	2.0		5.00
1 p. m.	.851	28.936	87.8	80.0	7.8	77.2	.72	86.1	82.4	W b S	0.2	None.	Pos.	3.0		4.00
2 „	.835	.901	87.7	80.4	7.3	77.8	.73	86.2	82.5	W	0.2		Pos.	2.0		5.00
3 „	.819	.896	87.8	80.2	7.6	77.4	.72	86.4	82.6	„	0.1					
4 „	.818	.894	87.0	80.0	7.0	77.5	.74	85.6	82.7	„	0.1					
5 „	.845	.962	84.6	78.4	6.2	76.0	.76	84.0	82.5	„	0.1		Pos.	1.0		10.00
6 „	.861	.973	82.6	78.0	4.6	76.2	.82	82.0	82.3	W b S	0.1		Pos.	4.0		0.14
7 „	.908	29.004	81.2	78.0	3.2	76.8	.87	81.6	82.0	SE	0.2		Pos.	Out of Sc.	36	0.04
8 „	.910	.044	81.0	77.0	4.0	75.4	.84	80.8	82.0	„	0.0		Pos.	4.0		0.20
9 „	.915	.028	80.6	77.4	3.2	76.2	.87	80.8	82.0	„	0.0		Pos.	4.0		0.20
10 „	.922	.056	79.6	76.6	3.0	75.4	.88	80.0	81.8	NNE	0.0		Pos.	10.0		0.04
11 „	.916	.032	79.4	77.0	2.4	76.1	.90	80.0	81.7	NE b N	0.0		Pos.	4.0		0.05

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ⌒ cumuli; ≤ cirro-strati; ⌒ cumulo-strati; and ≤ nimbi.	
1	L	≤ scattered about E hem.	
1	N	" " "	
1	N	" " "	
1	N	" " "	
1	N	" " "	
2	N	Patches of ≤ scattered around hor. and in E.	
1	N	" " " " "	
0	N	A few patches of clouds in E hor.	
0	N	" " " "	
5	N	≤ scattered about, moving SW.	
8	N	Densely clouded with ≤ and ≤, both moving NW; a few stars dimly visible.	
4	N	≤ and light ≤ scattered about.	
8	L	Overcast with ≤; light rain at 27m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°6.
8	C	Overcast with heavy masses of ≤.	
4	C	≤ and ≤ scattered about, moving E.	
5	C	" " " "	
7	C	" " " "	
6	N	≤ scattered about, moving NNW.	
7	N	≤ scattered throughout, except in hor., moving W.	
4	N	≤ scattered about, moving W.	
3	N	" " " "	
6	L	≤ scattered about; light mist along E hor.	
2	L	≤ scattered about hor. from N to SW; fog along E hor.	
1	L	≤ scattered around hor. from N to W; fog along E hor.	
1	L	≤ around hor.; a few ≤ scattered about W hor.; fog in E and SE hor.	
2	C	≤ scattered about hor. from NE to S.	
1	C	≤ scattered about hor.	
2	C	" " "	
2	C	≤ scattered around hor., moving SE. [hor.	
2	N	⌒ along E hor.; ≤ about hor. from N to SSW; patches of fleecy clouds around	
2	N	⌒ along E hor.; patches of fleecy clouds scattered around hor.; lightning in SE	
2	N	Fleecy clouds scatd. here & there, moving W; lightning in SE. [at intervals of 1m.	
7	N	≤-like clouds scattered throughout, moving W.	
4	L	≤-like clouds scattered throughout, moving NW.	
2	L	A few masses of ≤ scattered here and there, moving NW.	
4	L	Masses of ≤ scattered about, moving W.	
2	L	Fragments of fleecy clouds scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°6. The Range of Wet Bulb Thermometer was 3°8, the lowest during the month.
6	C	Fleecy clouds scattered about, moving E.	
5	C	" " " "	
5	C	" " " "	
2	C	Patches of fleecy clouds above NE, E, and SE hor.	
1	N	A few clouds along W hor.; otherwise clear; dew falling.	
1	N	Fragments of fleecy clouds around hor.; dew falling copiously.	
1	N	Fragments of fleecy clouds around hor.; light fog along E hor.	
0	N	" " " " " "	
0	L	A few patches of clouds in E and ESE hor.; fog in hor. from W to SE.	
0	L	" " " " " " " "	
0	L	" " " " " " " "	
1	L	⌒ along E hor.; ≤ and ≤ above W. and NW hor.; fog along E hor.	
1	C	" " " " " " " "	
1	C	⌒, ≤, and a few ≤ scattered about hor. from N to SW.	
1	C	⌒ in hor. from N to SE; ≤ scattered in W.	
1	C	⌒ in hor. from N to SE; otherwise clear.	
2	N	Electrical ⌒ about hor. from NW to E; light mist in hor.; ≤ in W above hor.	
1	N	Electrical ⌒ about hor. from N to SE; ≤ above W hor.; continuous lightning in	
3	N	⌒ along E; small patches of ≤ scattered about, moving W. [ENE hor.	
1	N	A few clouds along E hor.	
1	L	≤ scattered about hor. from NE to SE.	
1	L	" " " "	
1	L	" " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 5th-Midnight	29.907	29.043	79°0	76°4	2°6	75°4	0.89	79°2	81°6	E	0.1		+	5.0		0.20
1 a. m.	.889	.032	78·3	76.0	2.3	75.5	.90	79.0	81.5	„	0.1		+	2.0		2.00
2 „	.879	.013	78.2	76.2	2.0	75.4	.91	78.8	81.4	„	0.1		+	1.0		0.40
3 „	.879	.011	78.0	76.2	1.8	75.5	.92	78.6	81.3	„	0.0					
4 „	.889	.025	77.6	76.0	1.6	75.4	.93	78.2	81.1	„	0.0					
5 „	.894	.027	77.4	76.0	1.4	75.5	.94	78.2	81.0	„	0.0					
6 „	.924	.074	76.8	75.4	1.4	74.8	.94	77.8	80.8	„	0.1					
7 „	.944	.092	78.0	75.8	2.2	74.9	.91	78.8	80.6	„	0.1					
8 „	.964	.108	80.5	76.6	3.9	75.1	.84	80.5	80.8	„	0.1					
9 „	.974	.183	81.1	75.1	6.0	72.6	.76	80.9	81.1	„	0.1					
10 „	.968	.135	82.6	76.6	6.0	74.2	.77	82.0	81.3	„	0.0					
11 „	.943	.100	83.8	77.2	6.6	74.6	.75	83.1	81.5	„	0.0					
Noon.	.917	.060	85.1	77.9	7.2	75.1	.73	83.9	81.7	W	0.1	None.			None.	
1 p. m.	.884	.017	86.0	78.4	7.6	75.5	.72	84.0	81.9	„	0.1		+	7.0		5.00
2 „	.868	28.997	86.4	78.6	7.8	75.6	.71	85.0	82.1	„	0.1		+	4.0		2.00
3 „	.860	.953	86.2	79.4	6.8	76.9	.75	85.0	82.2	W b N	0.1		+	12.0		2.00
4 „	.856	.963	86.0	79.0	7.0	76.4	.74	84.2	82.3	WNW	0.1					
5 „	.873	.981	83.8	78.4	5.4	76.4	.79	82.8	82.0	NW b W	0.1					
6 „	.885	.994	82.4	78.0	4.4	76.3	.83	82.2	82.0	NW	0.1		* +	1.0		0.05
7 „	.907	.989	82.4	78.4	3.0	77.3	.88	81.8	81.8	„	0.1		+	6.0		0.03
8 „	.914	.975	81.2	78.8	2.4	78.0	.90	81.4	81.8	„	0.2		+	6.0		0.10
9 „	.921	.999	81.0	78.4	2.6	77.4	.89	81.0	81.8	NW b W	0.1		+	4.0		3.00
10 „	.919	29.006	80.0	77.9	2.1	77.1	.91	80.2	81.7	„	0.0		+	18.0		0.40
11 „	.906	28.994	79.3	77.7	1.6	77.1	.93	79.9	81.6	„	0.1		+	10.0		4.00
Nov. 6th-Midnight	.896	29.014	78.8	76.8	2.0	76.0	.92	79.3	81.5	NW b N	0.0		+	2.0		10.00
1 a. m.	.888	28.976	78.7	77.5	1.2	77.1	.95	79.2	81.4	„	0.0		+	4.0		4.00
2 „	.875	.978	78.2	77.0	1.2	76.5	.95	78.9	81.3	„	0.0					
3 „	.977	.980	78.2	77.0	1.2	76.5	.95	78.8	81.2	„	0.0					
4 „	.881	.993	78.2	76.8	1.4	76.2	.94	78.7	81.1	NNW	0.1					
5 „	.890	29.000	77.4	76.6	0.8	76.3	.97	78.2	81.0	„	0.1					
6 „	.919	.031	77.2	76.5	0.7	76.2	.97	78.2	80.8	N	0.1					
7 „	.945	.068	78.2	76.5	1.7	75.8	.93	79.0	80.7	NE b N	0.1					
8 „	.963	.073	80.7	77.5	3.2	76.3	.87	80.8	80.9	„	0.1					
9 „	.977	.104	82.2	77.5	4.7	75.7	.82	81.8	81.2	„	0.1					
10 „	.969	.091	83.9	78.1	5.8	75.9	.78	83.2	81.5	NE	0.1					
11 „	.941	.034	85.8	79.3	6.5	76.9	.76	84.6	81.8	„	0.1					
Noon.	.914	.017	85.7	79.0	6.7	76.5	.75	84.5	81.9	NW b W	0.3	None.			None.	
1 p. m.	.878	28.983	85.8	79.0	6.8	76.5	.75	85.0	82.1	WNW	0.3					
2 „	.869	.921	86.8	80.5	6.3	78.3	.76	85.5	82.4	„	0.6					
3 „	.863	.910	87.1	80.7	6.4	78.5	.76	86.0	82.5	„	0.4					
4 „	.859	.901	86.2	80.6	5.6	78.6	.79	85.0	82.5	„	0.3					
5 „	.870	.915	84.2	80.0	4.2	78.5	.84	83.2	82.5	„	0.2					
6 „	.884	.920	82.6	79.8	2.8	78.8	.89	82.4	82.4	NW b W	0.2					
7 „	.911	.971	81.7	79.0	2.7	78.0	.89	82.0	82.2	„	0.2					
8 „	.930	29.016	81.0	78.2	2.8	77.1	.89	81.2	82.0	NW	0.2					
9 „	.935	.101	79.6	75.8	3.8	74.3	.84	80.0	81.9	NW b W	0.1					
10 „	.932	.119	78.8	75.0	3.8	73.5	.84	79.6	81.7	„	0.0					
11 „	.922	.071	78.8	76.0	2.8	74.9	.88	79.4	81.6	„	0.0					
Nov. 7th-Midnight	.910	.993	80.9	78.0	2.9	77.2	.91	80.4	81.6	NW b N	0.1					
1 a. m.	.897	.997	79.8	77.5	2.3	76.6	.90	80.2	81.7	NNE	0.0					
2 „	.878	.992	79.2	77.0	2.2	76.1	.91	80.0	81.6	„	0.0					
3 „	.875	.998	79.0	76.7	2.3	75.8	.90	79.4	81.4	NNW	0.0					
4 „	.887	.047	78.8	75.7	3.3	74.5	.87	79.2	81.4	NW b N	0.1					
5 „	.902	.152	77.6	73.0	4.6	71.0	.81	78.0	81.1	NNW	0.1					
6 „	.926	.148	76.8	73.5	3.3	72.1	.86	77.8	80.8	„	0.0					
7 „	.937	.133	78.1	74.6	3.5	73.1	.85	78.6	80.7	„	0.1	None.	None.	None.	None.	None.
8 „	.955	.118	80.8	76.2	4.6	74.4	.82	80.8	80.9	N b E	0.1					
9 „	.971	.135	82.7	76.7	6.0	74.3	.79	82.2	81.4	„	0.1					
10 „	.965	.134	84.2	77.0	7.2	74.1	.73	83.4	81.6	NE b N	0.2					
11 „	.936	.161	85.6	76.0	9.6	72.0	.65	84.4	81.8	NNE	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
1	L	Patches of clouds scattered about hor. from NE to SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°5.
1	C	" " " " " "	
1	C	" " " " " "	
0	C	A few patches of clouds in SE; dew falling.	Wind blew abnormally on this day; the Range of Temperature of external Air was 9.6, the lowest during the month.
0	C	" " " " "	
0	N	A few patches of clouds about E hor.; dew falling.	
1	N	" " " " " "	
1	N	∿i scattered about hor. from NE to S; mist from W to SE hor.	
0	N	A few patches of ∿i in NE, E, and SE; mist in hor.	
1	L	⌐i and ⌣i, scattered about hor. from NE to SW; light fog along E hor.	
1	L	" " " " " " " "	
1	L	∿i, ⌣i, and ⌐i scattered about hor. from N to SE; fog along E hor.	
1	L	" " " " " " "	
1	C	∩i extended from N to SE hor.; ⌐i in NE and ⌣i in E and SE.	
1	C	" " " " " " "	
1	C	∩i in hor. from N to SE; ⌐i in E and ⌣i N and NE.	
0	C	∩i and ⌣i about hor. from N to S.	
0	N	∩i in NW, N, and NE; a few patches of ∿i scattered around E hor.	
0	N	A few clouds in hor. from N to E; otherwise clear.	
0	N	" " " " "	
0	N	" " " " "	
0	L	⌐i scattered about hor. from N to S.	
0	L	Clear, except in hor.	
2	L	Fleecy clouds scattered about hor. from NE to S, moving W.	
1	L	Fragments of fleecy clouds about hor. from NE to SE.	Mean daily Temperance of Ground 20 and 60 inches below its surface 81°4 and 83°4.
1	C	" " " " " "	
1	C	Fleecy clouds scattered in E and about zth., moving W.	At 3 P. M. the Temperature of external Air was 90.2, the highest during the month, the Temperature of Wet Bulb Thermometer was 80.7, at 3 P. M. being about 4.3 higher than the Normal Mean for that hour.
0	C	A few patches of fleecy clouds in SE and E, moving W.	
0	C	A few patches of clouds in SE above hor.; dew falling.	
0	N	" " " " " " [on plants.	
1	N	∿i scattered about hor. from NW to S; fog in hor. from N to SE; dew deposited	
2	N	" " " " " " " " "	
1	N	∿i scattered about hor. from NW to S; mist in hor. [in hor.	
0	L	∿i and ⌣i in SE and E above hor.; a few patches of clouds in W hor.; mist	
0	L	" " " " " " " " "	
0	L	Fragments of clouds along W hor. and in NE; mist in NW, N, and NE.	
0	L	A few patches of clouds from N to SE hor.; light haze along E hor.	
0	C	∩i in hor. from N to SE; a few ⌐i above N hor. and ⌣i in W.	
0	C	∩i in hor. from NE to SE; ⌐i above N hor.	
0	C	∩i in hor. from NE to SE; light ⌐i in S and SW.	
1	N	∩i along E hor.; otherwise clear.	
1	N	∿i scattered about E hor.	
2	N	∿i scattered about, moving W.	
1	N	∿i scattered about hor. from NNE to S.	
1	N	Patches of ∿i scattered about hor. in NE and E.	
2	L	∿i scattered in N hem.; about zth., moving S.	
4	L	" " " " "	
6	L	Dense ∿i scattered in N hem., above SE and S hor.	
7	L	Nearly overcast with ∿⌣i and dense ∿i; light rain at 12h. 28m. which lasted 4m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4.
7	C	Dense ∿i scattered in NE hem.; ∿⌣i in SE, S, and W.	
6	C	Dense ∿i scattered about; a few ∿⌣i floating here and there.	
2	C	∿i scattered about, moving W.	
3	C	" " " "	
3	N	∿i scattered about E hor.; light ∿⌣i about SW, W, and NW of zth.	
2	N	∿i scattered around hor. and about zth.	
2	N	∿i scattered around hor.; mist along E hor.	
1	N	∿i in hor. from W to NE; a few W of zth.	
1	L	∿i scattered around hor.; mist in W hor. and fog along E hor.	
1	L	∿i scattered about hor. from SW to N; ⌣i in W; mist and fog in hor. as before.	
1	L	∿i and ⌐i scattered about hor. SW to SE; mist and fog in hor. as before.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 7th–Noon.	29.914	29.155	87°2	76°0	11°2	71°3	0.61	85°4	82°1	NNE	0.1					
1 p. m.	.887	.073	88.6	77.5	11.1	73.5	.61	86.6	82.4	W	0.1					
2 „	.868	.130	89.2	76.0	13.2	70.5	.55	87.2	82.6	W b S	0.1					
3 „	.862	.086	89.2	77.0	12.2	72.0	.58	87.2	82.8	„	0.1					
4 „	.864	.084	88.4	76.9	11.5	72.2	.60	86.2	82.9	„	0.1					
5 „	.878	.067	86.0	77.0	9.0	73.4	.67	84.2	82.6	W	0.1					
6 „	.890	.053	83.6	77.0	6.6	74.4	.75	83.2	82.4	W b N	0.1	None.			None.	
7 „	.917	.071	82.8	77.0	5.8	74.7	.77	82.4	82.3	NW	0.1					
8 „	.935	.084	81.6	76.8	4.8	74.9	.81	81.8	82.1	NNW	0.1		+	8.0		0.08
9 „	.935	.087	81.2	76.6	4.6	74.8	.82	81.0	82.0	N b E	0 1					
10 „	.921	.066	80.6	76.6	4 0	75.0	.84	80.2	82.0	NE b E	0.1					
11 „	.905	.080	79.8	75.6	4.2	73.9	.83	80.2	81.9	ENE	0.0					
Nov. 8th–Midnight	.890	.059	79.2	75.6	3.6	74.1	.85	79.7	81.8	E b N	0.2					
1 a. m.	.881	.069	78.2	74.8	3.4	73.4	.86	78.2	81.6	„	0.0					
2 „	.871	.123	77.8	73.0	4.8	70.9	.84	78.2	81.5	„	0.0					
3 „	.864	.058	77.6	74.5	3.1	73.2	.87	78.1	81.3	„	0.1					
4 „	.871	.079	77.2	74.0	3.2	72.7	.86	77.7	81.1	„	0.1					
5 „	.885	.102	76.3	73.5	2.8	72.3	.88	77.2	80.8	„	0.0					
6 „	.905	.102	75.5	73.8	1.7	73.1	.93	77.0	80.5	„	0.0		+	8.0		0.10
7 „	.926	.117	77.0	74.4	2.6	73.3	.89	78.2	80.5	ENE	0.0		+	4.0		0.20
8 „	.948	.151	80.2	75.0	5.2	72.9	.79	80.2	80.7	„	0.0					
9 „	.962	.143	81.7	76.0	5.7	73.7	.78	81.4	81.2	„	0.1		+	2.0		0.15
10 „	.950	.130	82.4	76.2	6.2	73.7	.76	82.2	81.3	„	0.0					
11 „	.927	.069	85.2	77.9	7.3	75.1	.73	83.9	81.6	„	0.1	None.			None.	
Noon.	.892	.045	86.4	78.0	8.4	74.9	.69	85.0	81.9	W	0.1					
1 p. m.	.874	.082	86.7	77.0	9.7	72.7	.65	85.2	82.1	„	0.1					
2 „	.853	.042	87.5	77.7	9.8	73.4	.65	86.2	82.3	„	0.1					
3 „	.844	.017	88.2	78.0	10.2	74.0	.64	86.4	82.6	W b N	0.1					
4 „	.850	.019	87.4	77.9	9.5	74.1	.66	85.5	82.6	WNW	0.1					
5 „	.873	.013	85.2	78.0	7.2	75.2	.73	84.0	82.5	NW b W	0.1					
6 „	.883	28.991	84.8	78.7	6.1	76.4	.77	83.0	82.4	NW	0.1					
7 „	.906	.978	82.8	79.0	3.8	77.6	.85	82.6	82.4	„	0.1		+	4.0		5.00
8 „	.920	.994	82.0	78.0	4.0	77.5	.84	82.2	82.3	„	0.1					
9 „	.922	.991	81.4	78.7	2.7	77.7	.89	81.8	82.1	„	0.0		+	1.0		5.00
10 „	.926	29.023	81.4	78.0	3.4	76.7	.86	81.6	82.1	„	0.0					
11 „	.920	.082	80.0	76.0	4.0	74.4	.84	80.2	82.0	NE	0.0					
Nov. 10th Midnight	.940	.259	79.2	71.6	7.6	68.0	.70	79.4	81.6	N	0.1					
1 a. m.	.922	.107	78.5	75.0	3.5	73.5	.85	78.9	81.4	N b E	0.0					
2 „	.922	.318	78.0	69.0	9.0	64.3	.64	78.2	81.3	„	0.0					
3 „	.916	.319	76.6	68.3	8.3	64.0	.67	77.2	81.0	„	0.0					
4 „	.923	.308	75.5	68.5	7.0	64.9	.71	76.2	80.6	„	0.0					
5 „	.939	.306	75.4	69.0	6.4	65.7	.73	76.2	80.3	„	0.0					
6 „	.958	.325	75.4	69.0	6.4	65.7	.73	76.2	80.2	„	0.1		+	4.0		0.50
7 „	.990	.339	75.6	69.6	6.0	66.8	.75	76.2	80.1	„	0.1		+	8.0		0.10
8 „	30.010	.369	79.6	70.6	9.0	66.1	.65	79.8	80.3	„	0.1		+	1.0		Above 10m.
9 „	.021	.400	82.6	71.0	11.6	65.1	.57	82.2	80.7	„	0.0					
10 „	.013	.430	84.8	70.6	14.2	63.2	.50	84.0	81.0	„	0.1					
11 „	29.992	.308	86.0	73.7	12.3	68.1	.56	84.4	81.3	NW	0.2					
Noon.	.958	.259	87.4	74.5	12.9	68.8	.55	86.0	81.6	„	0:2	None.			None.	
1 p. m.	.931	.302	87.9	72.8	15.1	65.5	.49	86.6	81.9	„	0.3					
2 „	.904	.281	87.8	72.6	15.2	65.3	.49	86.4	82.1	„	0.2					
3 „	.896	.251	88.0	73.2	14.8	66.2	.50	86.6	82.2	„	0.3					
4 „	.897	.278	86.4	72.0	14.4	65.1	.50	85.0	82.2	„	0.3					
5 „	.903	.273	83.1	71.4	11.7	65.3	.57	82.2	81.9	„	0.3		+	1.0		Above 10m.
6 „	.910	.283	81.1	71.0	10.1	65.4	.62	81.2	81.6	NW b N	0.4		+	3.0		Above 10m.
7 „	.926	.840	80.7	72.2	8.5	68.2	.67	80.9	81.4	„	0.3		+	4.0		Above 10m.
8 „	.933	.317	80.0	70.0	10.0	64.9	.62	80.2	81.3	„	0.4		+	6.0		1.00
9 „	.947	.327	79.6	70.0	9.6	65.1	.63	79.8	81.2	NNW	0.5		+	6.0		0.40
10 „	.953	.326	77.8	69.6	8.2	65.4	.67	77.8	81.0	„	0.2		+	14.0		0.30
11 „	.952	.396	75.8	66.6	9.2	61.8	.63	76.2	80.6	„	0.1		+	12.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	L	around hor., except in S; light fog along E hor.	
1	C	from N to SE hor.; scattered about hor. from N to SW.	
1	C	" " " " " "	
1	C	and scattered about hor. as before; a few patches of in NE, moving SW.	
1	C	from N to SE hor.; above W hor; a few patches of in N and W.	
1	N	around hor. from NNE to ESE; in W.	
0	N	scattered around E hor.	
3	N	scattered about, moving W.	
5	N	" " " "	
1	L	Patches of scattered about S, SW, and W hor.	
0	L	A few fragments of scattered here and there.	
0	L	" " " " "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4.
1	C	and a few scattered in SW and W.	
1	C	" " " "	
0	C	A few patches of in NE.	
0	C	Fragments of clouds around hor., except in S.	
1	N	scattered about hor. from N to W; haze in N and NE hor.	
2	N	scattered about hor. from N to SW; haze in N and NE hor.	
2	N	" " " " " " "	
2	N	" " " " " " "	
2	L	Fragments of clouds scattered about hor. from W to E; a few streaks of in ESE.	
1	L	Clouded around hor. as before; mist along W, and fog along E hor.	
1	L	Fragments of clouds in hor. from N to ESE; mist and fog in hor. as before.	
1	L	Fragments of clouds scattered about hor. from NW to ESE; in NE hor.;	
1	C	and in hor. from N to SE. [fog along E hor.	
1	C	in hor. from N to SE; above W hor.	
1	C	in hor. from N to SE; scattered about SE, S, and W hor.	
1	C	from N to SE hor.; and in SE and S.	
5	C	scattered about.	
4	C	Dense and light scattered about.	
4	C	" " " "	
4	C	" " " "	
6	C	" " " "	
6	C	Densely clouded with light .	
6	C	" " "	
4	L	scattered in E hem., moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 83°4.
0	C	A few patches of in S; in NW, W, and SW above hor.; in W.	
0	C	scattered about W hor.	
0	C	" " "	
0	C	" " "	
3	N	scattered about hor. from W to N; a few patches of fleecy clouds in SE & S.	
5	N	scattered about, moving E.	
3	N	Patches of scattered about, moving NE; haze in N, NW, and W hor.	
3	N	" " " " " " " "	
1	L	A few patches of scattered here and there; mist along W, and fog along E hor.	
0	L	A few patches of above E, SE, and S hor.; mist and fog in hor. as before.	
0	L	Fog along E hor.	
0	C	Clear, except in hor.	
0	C	A few patches of clouds above E hor.	
0	C	" " " "	
0	C	A few patches of clouds above SE hor.; otherwise clear.	
0	C	A few in SE and E above hor.	
0	N	A few streaks of linear in E.	
0	N	Clear.	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 11th-Midnight	29.943	29.404	75°0	66°0	9°0	60°9	0.63	75°8	80°3	NNW	0.1		+	2.0		Above 10m.
1 a. m.	.934	.373	74.0	67.0	7.0	62.1	.70	74.4	80.1	,,	0.0		+	2.0		Above 10m.
2 ,,	.926	.294	75.2	68.9	6.3	65.7	.73	75.5	80.1	,,	0.0		+	4.0		2.20
3 ,,	.927	.294	73.3	68.0	5.3	65.7	.77	74.2	79.7	,,	0.0		+	5.0		2.00
4 ,,	.929	.295	72.8	68.2	4.6	65.8	.80	74.0	79.3	,,	0.0		+	10.0		1.30
5 ,,	.937	.333	73.8	67.6	6.2	64.3	.74	74.2	79.3	NE	0.0		+	2.0		Above 10m.
6 ,,	.959	.329	73.2	68.2	5.0	65.5	.78	74.2	79.0	,,	0.1		+	6.0		Above 10m.
7 ,,	.989	.325	75.0	69.8	5.2	67.2	.78	75.8	79.0	NE b N	0.1		+	10.0		0.26
8 ,,	30.014	.379	77.6	69.8	7.8	65.8	.69	77.6	79.2	,,	0.1		+	4.0		1.30
9 ,,	.031	.411	79.6	70.0	9.6	65.1	.63	79.2	79.6	NE	0.1		+	6.0		5.00
10 ,,	.014	.418	80.8	69.7	11.1	63.9	.58	80.4	79.8	NE b N	0.2		+	2.0		Above 10m.
11 ,,	29.986	.402	82.8	70.0	12.8	63.3	.53	82.2	80.0	,,	0.1	None.			None.	
Noon.	.956	.380	86.1	70.8	15.3	62.9	.48	84.4	80.5	,,	0.1					
1 p. m.	.928	.457	87.6	68.2	19.4	56.8	.37	86.0	81.0	NNE	0.1					
2 ,,	.911	.198	89.2	75.4	13.8	69.4	.53	86.6	81.2	W	0.2		+	4.0		Above 10m.
3 ,,	.887	.243	86.2	72.7	13.5	66.4	.53	84.2	81.2	W b N	0.1					
4 ,,	.880	.190	85.8	73.8	12.0	63.4	.57	84.0	81.3	WNW	0.2					
5 ,,	.894	.159	82.4	74.0	8.4	70.3	.68	84.0	81.1	NW b W	0.3		+	2.0		Above 10m.
6 ,,	.907	.211	79.8	72.2	7.6	68.6	.70	82.0	80.7	NW	0.4					
7 ,,	.928	.236	79.5	72.0	7.5	68.5	.70	80.0	80.5	,,	0.4					
8 ,,	.939	.235	79.1	72.2	6.9	69.0	.72	79.6	80.5	,,	0.3					
9 ,,	.949	.357	77.4	68.4	9.0	63.7	.65	79.2	80.4	,,	0.0					
10 ,,	.938	.399	75.0	66.0	9.0	60.9	.63	77.7	80.0	,,	0.0					
11 ,,	.924	.406	74.0	65.0	9.0	59.7	.63	75.4	79.6	,,	0.0					
Nov. 12th-Midnight	.913	.323	73.3	67.0	6.3	63.6	.73	73.6	79.5	NW	0.0					
1 a. m.	.898	.309	73.4	67.0	6.4	63.5	.73	73.6	79.2	,,	0.0					
2 ,,	.887	.292	72.6	66.8	5.8	63.9	.75	73.8	79.0	,,	0.1		+	4.0		7.00
3 ,,	.889	.257	74.9	68.8	6.7	65.7	.74	74.9	79.1	NNE	0.1		+	10.0		0.30
4 ,,	.892	.283	73.6	67.7	5.9	64.6	.75	73.7	78.8	NE	0.1		+	10.0		3.00
5 ,,	.902	.283	73.6	68.0	5.6	65.1	.76	74.2	78.6	,,	0.1		+	2.0		Above 10m.
6 ,,	.924	.359	73.8	66.4	7.4	62.3	.69	74.2	78.4	NNE	0.2					
7 ,,	.952	.366	75.4	67.6	7.8	63.4	.68	75.6	78.5	,,	0.2					
8 ,,	.974	.370	78.0	69.0	9.0	64.3	.64	78.0	78.7	,,	0.2		+	1.0		4.00
9 ,,	.988	.430	80.4	68.4	12.0	61.9	.55	80.0	79.1	NE b N	0.3					
10 ,,	.978	.394	82.8	70.0	12.8	63.3	.53	81.9	79.5	NNE	0.4					
11 ,,	.954	.390	84.6	70.0	14.6	62.2	.49	83.8	79.9	N b E	0.1	None.				
Noon.	.927	.432	86.6	68.6	8.0	58.3	.40	85.6	80.3	,,	0.3					
1 p. m.	.890	.432	87.8	67.9	19.9	56.0	.36	86.2	80.6	NNE	0.1					
2 ,,	.869	.469	89.2	66.6	22.6	52.0	.30	87.0	81.0	,,	0.1					
3 ,,	.861	.293	90.8	72.0	18.8	62.5	.41	88.2	81.3	NW	0.1					
4 ,,	.863	.210	88.4	73.6	14.8	66.7	.50	86.2	81.4	,,	0.2					
5 ,,	.871	.077	84.0	76.0	8.2	72.8	.70	82.4	81.1	NW b W	0.2		+	6.0		0.40
6 ,,	.888	.107	81.0	74.8	6.2	72.2	.76	80.2	80.7	NW	0.2		+	6.0		0.16
7 ,,	.908	.120	79.6	74.6	5.2	72.5	.80	79.8	80.5	,,	0.2		+	10.0		0.04
8 ,,	.931	.243	78.6	71.6	7.0	68.3	.72	78.4	80.4	,,	0.1		+	8.0		0.12
9 ,,	.941	.263	77.5	71.0	6.5	67.8	.74	77.4	80.3	,,	0.2		+	4.0		2.00
10 ,,	.953	.356	75.6	68.0	7.6	64.0	.69	76.0	80.0	NW b N			+	6.0		2.30
11 ,,	.944	.266	75.0	70.2	4.8	67.8	.79	75.2	79.7	,,			+	20.0	15.0	1.10
Nov. 13th-Midnight	.931	.276	75.2	69.6	5.6	66.8	.76	75.7	79.6	NW b N	0.1		+	11.0		0.40
1 a. m.	.912	.231	75.0	70.3	4.7	68.0	.80	75.3	79.6	N	0.0		+	20.0	20.0	0.17
2 ,,	.907	.227	74.8	70.2	4.6	67.9	.80	75.1	79.4	NE b N	0.0		+	20.0		0.32
3 ,,	.914	.296	74.3	68.2	6.1	65.0	.74	74.6	79.2	,,	0.1		+	10.0		4.00
4 ,,	.924	.352	73.1	66.4	6.7	62.7	.72	73.7	78.8	,,	0.1		+	6.0		5.00
5 ,,	.933	.315	73.2	67.8	5.4	65.0	.77	74.0	78.6	NE	0.1		+	6.0		1.15
6 ,,	.950	.399	72.8	65.6	7.2	61.5	.69	73.4	78.5	,,	0.1		+	1.0		Above 10m.
7 ,,	.967	.411	74.3	66.3	8.0	61.3	.67	74.6	78.4	,,	0.1	None.	+	6.0		Above 10m.
8 ,,	.985	.472	76.8	65.8	11.0	59.3	.58	76.8	78.5	,,	0.2		+	6.0		Above 10m.
9 ,,	30.004	.538	79.3	65.2	14.1	56.5	.48	78.4	78.9	,,	0.5		+	1.0		Above 10m.
10 ,,	29.993	.477	81.8	67.6	14.2	59.6	.49	81.2	79.2	NE b N	0.5					
11 ,,	.973	.449	84.2	68.7	15.5	60.0	.46	83.0	79.7	NNE	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 83°4.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	Mist from W to N; fog in NE, E, and SE hor.	
0	N	" " " " "	
0	L	" " " " "	
0	L	" " " " "	
0	L	" " " " "	
0	L	Light haze in hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°4.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	Fog from N to SE hor.	
0	N	" " "	
0	L	Light mist in W and NW hor.; fog from N to SE hor.	
0	L	" " " " " "	
0	L	Light haze in hor.	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	
0	L	Cloudless, with dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°4.
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	N	" " "	
0	N	A few patches of clouds in SE and S above hor.; fog along E hor.	
0	N	Fog along E hor. from N to SE.	
0	N	" " " "	
0	L	A few linear ≀ in SE; haze in hor.	
0	L	" " " "	
0	L	Haze along E hor. from N to S.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds between flame of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 13th-Noon.	29.941	29.432	85°3	68°6	16°7	59°2	0.43	84°2	80°0	NNE	0.4					
1 p. m.	.904	.497	87.4	66.2	21.2	52.5	.32	86.0	80.4	N b E	0.1					
2 „	.876	.474	88.8	66.4	22.4	52.2	.30	87.8	80.7	N b W	0.1		+	1.0		4.00
3 „	.864	.191	88.0	74.0	14.0	67.6	.52	86.9	81.0	NW b W	0.2		+	2.0		Above 10m.
4 „	.859	.167	86.3	74.0	12.3	68.5	.56	84.9	81.0	„	0.2		+	2.0		Above 10m.
5 „	.875	.182	82.0	72.8	9.4	68.5	.65	81.6	80.7	„	0.2	None.	+	4.0		0.40
6 „	.886	.162	79.4	72.8	6.6	69.9	.74	79.6	80.3	NW	0.2		+	10.0		0.16
7 „	.904	.160	78.4	73.0	5.4	70.7	.78	78.6	80.2	„	0.4		+	12.0		0.04
8 „	.828	.212	77.4	72.0	5.4	69.5	.78	77.8	80.0	NW b N	0.2		+	Out of Sc.	30.0	0.03
9 „	.944	.320	75.0	68.6	6.4	95.3	.73	75.8	79.7	„	0.0		+	11.0		2.00
10 „	.947	.286	74.0	69.4	4.6	67.1	.80	75.0	79.4	„	0.0		+	10.0		1.00
11 „	.937	.293	73.0	68.7	4.7	66.3	.80	74.7	79.2	„	0.0		+	22.0	15.0	0.07
Nov. 14th-Midnight	.933	.266	74.4	69.7	4.7	67.3	.80	74.8	79.1	NNW	0.2		+	21.0	22.0	0.05
1 a. m.	.924	.317	74.7	68.0	6.7	64.5	.72	74.7	79.2	NE b E	0.1		+	20.0	20.0	0.07
2 „	.917	.273	74.4	69.0	5.4	66.3	.77	74.5	79.0	„	0.1		+	19.0	20.0	0.07
3 „	.915	.307	74.1	67.8	6.3	64.5	.73	74.2	78.8	„	0.2		+	8.0		3.40
4 „	.917	.367	74.0	66.0	8.0	61.5	.67	74.1	78.7	„	0.4		+	4.0		5.00
5 „	.928	.380	73.6	65.8	7.8	61.4	.67	74.0	78.4	„	0.2		+	2.0		2.15
6 „	.948	.377	73.2	66.4	6.8	62.6	.71	73.4	78.2	NE b N	0.1		+	4.0		1.03
7 „	.975	.397	73.8	66.8	7.0	63.0	.70	74.2	78.0	„	0.2		+	3.0		1.50
8 „	.992	.485	76.1	65.4	10.7	59.0	.57	76.1	78.2	NE	0.2					
9 „	30.003	.410	79.0	69.0	10.0	63.8	.61	78.4	78.6	NE b E	0.3		+	2.0		Above 10m.
10 „	29.988	.413	80.6	69.0	11.6	62.8	.57	79.9	78.9	NE b N	0.3		+	2.0		Above 10m.
11 „	.963	.410	83.2	69.2	14.0	61.6	.50	82.6	79.2	„	0.2	None.	+	3.0		Above 10m.
Noon.	.934	.437	84.9	68.1	16.8	58.4	.43	83.4	79.6	NNE	0.2		+	2.0		5.00
1 p. m.	.898	.461	86.0	67.0	19.0	54.7	.37	84.2	79.9	„	0.1		+	1.0		8.00
2 „	.871	.320	87.6	70.5	17.1	61.5	.44	85.1	80.1	NNW	0.1		+	7.0		Above 10m.
3 „	.861	.177	86.6	73.9	12.7	68.1	.56	84.2	80.4	NW b W	0.2		+	2.0		Above 10m.
4 „	.862	.241	85.0	71.7	13.3	65.2	.53	83.4	80.4	„	0.3		+	2.0		Above 10m.
5 „	.869	.139	82.2	73.8	8.4	70.1	.68	81.0	80.2	„	0.2		+	8.0		1.05
6 „	.884	.165	79.1	72.6	6.5	69.7	.74	79.2	79.8	„	0.1		+	16.0	15.0	0.16
7 „	.899	.236	77.6	70.6	7.0	67.2	.72	78.0	79.6	„	0.1		+	10.0	10.0	0.20
8 „	.917	.268	77.0	70.0	7.0	66.5	.72	77.2	79.5	WNW	0.1		+	8.0		0.20
9 „	.932	.229	76.6	71.4	5.2	69.0	.78	76.4	79.5	„	0.0		+	Out of Sc.	30.0	0.04
10 „	.931	.291	73.8	68.7	5.1	66.1	.78	74.6	79.1	„	0.0		+	Out of Sc.	40.0	0.02
11 „	.915	.256	74.2	69.4	4.8	67.0	.79	74.7	79.0	NW b N	0.1		+	22.0	15.0	0.05
Nov. 15th-Midnight	.909	.271	73.8	68.4	4.7	66.0	.80	73.0	78.7	NW b N	0.0		+	22.0	15.0	0.25
1 a. m.	.898	.271	73.8	68.3	5.5	65.4	.76	74.0	78.7	NNE	0.0		+	17.0	10.0	0.45
2 „	.891	.280	73.4	67.7	5.7	64.7	.75	73.6	78.6	NE b N	0.1		+	20.0	15.0	0.50
3 „	.886	.290	72.7	67.0	5.7	63.9	.75	73.0	78.4	„	0.2		+	18.0	10.0	1.15
4 „	.891	.264	72.6	67.9	4.7	65.4	.80	73.0	78.2	N b E	0.2		+	10.0	5.0	0.20
5 „	.894	.287	72.4	67.2	5.2	64.5	.77	72.6	78.0	„	0.1		+	8.0	6.0	0.04
6 „	.908	.284	72.0	67.6	4.4	65.3	.81	72.4	77.8	„	0.3		+	6.0		0.04
7 „	.936	.306	73.2	68.2	5.0	65.6	.78	73.6	77.7	„	0.2		+	4.0		0.06
8 „	.952	.377	74.6	67.0	7.6	62.8	.68	74.8	77.8	„	0.2		+	4.0		1.10
9 „	.967	.400	79.8	67.8	12.0	62.4	.61	77.6	78.1	NE b N	0.5					
10 „	.963	.389	81.0	69.1	11.9	62.8	.56	80.2	78.5	„	0.4		+	1.0		Above 10m.
11 „	.941	.363	82.8	69.8	13.0	63.0	.53	82.0	79.0	NNE	0.5	None.				
Noon.	.909	.440	84.2	67.0	17.2	56.7	.41	83.0	79.3	„	0.4					
1 p. m.	.875	.284	86.7	71.4	15.3	63.7	.48	84.9	79.7	„	0.1					
2 „	.865	.298	88.2	71.2	17.0	62.4	.44	85.6	80.0	NNW	0.1					
3 „	.853	.222	88.4	73.0	15.4	65.6	.48	85.6	80.2	WNW	0.1					
4 „	.850	.180	86.2	73.4	12.8	67.5	.55	84.0	80.4	„	0.3					
5 „	.857	.121	82.6	74.1	8.5	70.4	.68	81.4	80.2	NW b W	0.1					
6 „	.872	.134	79.4	73.2	6.2	70.5	.75	79.2	79.9	NW	0.4		+	4.0		1.00
7 „	.892	.128	78.4	73.6	4.8	71.5	.80	78.4	79.7	„	0.2					
8 „	.914	.160	77.6	73.1	4.5	71.1	.81	78.0	79.7	NW b W	0.2					
9 „	.917	.176	76.8	72.5	4.3	70.6	.82	76.9	79.6	„	0.0					
10 „	.914	.178	75.6	72.0	3.6	70.4	.85	76.0	79.4	„	0.0					
11 „	.905	.223	74.0	70.0	4.0	68.0	.83	74.6	79.1	„	0.0		+	2.0		0.07

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∨∨≀ nimbi.	
0	L	Haze along E hor. from N to S.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	Clear, with dew falling.	
0	L	Clear, with dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°4.
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	N	Clear.	
0	N	"	
0	N	Fog along E hor. from NW to SE.	
0	N	" " " "	
0	L	" " " "	
0	L	A few ≀ above NNE hor.; mist from W to N hor.; fog in NE, E, and SE hor.	
0	L	" " " " " " " " "	
0	L	A few ≀ in ESE above hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear, with dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°4. This day was the 15th cloudless day from the beginning of the year.
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	N	Clear.	
0	N	"	
0	N	Fog along E hor.	
0	N	" "	
0	C	" "	
0	L	Haze around hor.	
0	L	A few clouds in NW hor.	
0	L	" " "	
0	C	Clear.	
0	C	"	
0	C	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 17th-Midnight	29.921	29.356	72°6	66°0	6°6	62°3	0.72	73°4	78°4	NW b N	0.0		+	3.0		6.50
1 a. m.	.910	.359	71.0	65.0	6.0	61.5	.73	72.2	78.2	,,	0.0		+	9.0		6.00
2 ,,	.899	.329	72.2	66.0	6.2	62.6	.73	73.1	78.1	,,	0.0		+			
3 ,,	.891	.312	71.4	66.0	5.4	63.0	.76	72.3	77.8	NNW	0.0					
4 ,,	.904	.349	70.6	65.0	5.6	61.8	.76	71.4	77.5	,,	0.0		+	1.0		Above 10m.
5 ,,	.897	.295	72.2	67.0	5.2	64.2	.77	72.8	77.4	NNE	0.0		+	4.0		0.16
6 ,,	.916	.315	72.8	67.2	5.6	64.2	.76	73.2	77.4	NE b N	0.0		+	1.0		Above 10m.
7 ,,	.953	.323	73.2	68.2	5.0	65.6	.78	73.8	77.2	,,	0.1		+	10.0		0.06
8 ,,	.972	.402	76.1	68.0	8.1	62.6	.67	76.0	77.5	NNE	0.1		+	2.0		Above 10m.
9 ,,	.989	.387	78.8	69.2	9.6	64.2	.63	78.2	78.0	NE b N	0.1		+	1.0		Above 10m.
10 ,,	.982	.470	80.4	67.0	13.4	59.3	.50	79.4	78.3	NE b E	0.2		+	1.0		Above 10m.
11 ,,	.963	.474	82.6	67.1	15.5	58.0	.45	81.6	78.6	,,	0.1					
Noon.	.930	.432	85.8	68.4	17.4	58.5	.41	84.2	79.1	,,	0.0	None.				
1 p. m.	.891	.297	86.4	71.4	15.0	63.8	.48	84.6	79.5	NNW	0.2					
2 ,,	.874	.194	85.4	73.4	12.0	67.9	.57	83.2	79.6	NW b W	0.1		+	1.0		Above 10m.
3 ,,	.855	.159	85.2	74.5	10.7	68.6	.61	83.5	79.8	W b N	0.2		+	1.0		Above 10m.
4 ,,	.855	.126	84.3	74.4	9.9	70.1	.64	82.9	79.9	NW b W	0.1					
5 ,,	.870	.122	81.2	74.0	7.2	70.9	.72	80.8	79.7	NW	0.2		+	2.0		Above 10m.
6 ,,	.880	.117	79.2	73.8	5.4	71.5	.78	79.2	79.5	,,	0.1					
7 ,,	.901	.122	78.4	74.0	4.4	72.1	.82	78.3	79.4	,,	0.2					
8 ,,	.912	.117	77.6	74.2	3.4	72.8	.86	78.1	79.4	,,	0.1					
9 ,,	.917	.139	76.4	73.4	3.0	72.1	.87	76.4	79.3	,,	0.0		+	22.0	20.0	0.07
10 ,,	.921	.191	74.8	71.6	3.2	70.2	.86	74.4	79.0	,,	0.1		+	12.0		0.04
11 ,,	.903	.184	73.8	71.0	2.8	69.7	.88	74.4	78.8	,,	0.0		+	Out of Sc.	25.0	0.03
Nov. 18th-Midnight	.893	.174	73.2	70.8	2.4	69.8	.89	73.9	78.6	NW	0.0		+	1.0		Above 10m.
1 a. m.	.881	.121	74.0	72.2	1.8	71.4	.92	74.3	78.6	,,	0.0					
2 ,,	.869	.172	72.6	70.0	2.6	68.7	.88	73.4	78.4	,,	0.0					
3 ,,	.869	.176	71.7	69.6	2.1	68.5	.95	72.7	78.2	,,	0.0					
4 ,,	.872	.206	72.4	69.0	3.4	67.3	.85	73.1	78.0	NNE	0.0					
5 ,,	.898	.190	72.8	69.8	3.0	68.3	.87	73.6	78.0	,,	0.0		+	2.0		Above 10m.
6 ,,	.898	.305	73.0	67.0	6.0	63.8	.74	73.8	77.7	NE	0.1					
7 ,,	.928	.306	74.6	68.4	6.2	65.2	.74	75.0	77.5	,,	0.1		+	1.0		Above 10m.
8 ,,	.949	.400	77.0	67.0	10.0	61.4	.60	77.0	77.8	,,	0.1					
9 ,,	.970	.397	79.6	68.6	11.0	62.7	.58	79.4	78.3	NE b E	0.2		+	1.0		Above 10m.
10 ,,	.952	.407	82.4	68.7	13.7	61.2	.51	82.0	78.6	NE b N	0.6		+	3.0		Above 10m.
11 ,,	.937	.287	83.4	72.0	11.4	66.6	.58	82.4	79.1	,,	0.2		+	4.0		Above 10m.
Noon.	.907	.265	84.5	72.1	12.4	66.2	.56	83.5	79.4	,,	0.1	None.	+	4.0	None.	Above 10m.
1 p. m.	.873	.404	86.5	67.8	18.7	56.7	.39	85.2	79.8	NNE	0.0		+	4.0		Above 10m.
2 ,,	.848	.390	87.9	67.9	20.0	56.0	.36	86.9	80.2	,,	0.0		+	3.0		7.00
3 ,,	.830	.271	88.0	71.0	17.0	62.1	.44	86.8	80.4	WNW	0.1		+	5.0		7.00
4 ,,	.837	.047	85.4	76.3	9.1	72.6	.67	84.1	80.3	,,	0.2		+	4.0		6.00
5 ,,	.840	.101	82.0	74.0	8.0	70.5	.69	81.6	80.1	,,	0.2		+	2.0		Above 10m.
6 ,,	.846	.115	80.0	73.2	6.8	70.2	.73	80.0	79.8	,,	0.1		+	1.0		Above 10m.
7 ,,	.862	.088	78.8	74.0	4.8	71.9	.80	79.0	79.7	NW	0.3		+	2.0		0.46
8 ,,	.877	.096	78.2	74.0	4.2	72.2	.83	79.4	79.5	,,	0.4		+	1.0		1.10
9 ,,	.881	.151	77.4	72.4	5.0	70.1	.79	77.5	79.5	,,	0.3		+	2.0		0.40
10 ,,	.886	.153	75.8	72.0	3.8	70.2	.84	76.2	79.4	NW b N	0.0		+	8.0		0.08
11 ,,	.875	.163	73.8	70.8	3.0	69.3	.87	74.6	79.1	,,	0.0		+	6.0		0.15
Nov. 19th-Midnight	.857	.131	73.2	71.0	2.2	69.9	.90	74.2	78.8	NW b N	0.1		+	2.0		1.00
1 a. m.	.841	.115	73.6	71.1	2.5	69.9	.89	74.1	78.7	,,	0.0		+	1.0		0.12
2 ,,	.834	.106	73.0	71.0	2.0	70.0	.91	73.9	78.6	,,	0.0		+	4.0		3.40
3 ,,	.828	.138	72.6	69.4	3.2	68.4	.86	73.5	78.3	N b E	0.0					
4 ,,	.837	.204	71.8	67.8	4.0	65.9	.82	72.8	78.2	NE b N	0.0		+	2.0		2.35
5 ,,	.842	.227	71.0	67.0	4.0	64.9	.82	72.2	77.7	,,	0.0		+	12.0		0.10
6 ,,	.861	.209	72.4	68.6	3.8	66.6	.83	72.6	77.7	,,	0.2		+	5.0		0.20
7 ,,	.884	.238	72.4	68.4	4.0	66.4	.82	73.0	77.5	,,	0.2	None.	+	6.0	None.	0.12
8 ,,	.898	.288	75.2	68.2	7.0	64.6	.71	75.6	77.6	,,	0.2		+	1.0		Above 10m.
9 ,,	.907	.296	77.4	69.0	8.4	64.6	.66	77.2	78.0	,,	0.5					
10 ,,	.903	.315	80.0	69.2	10.8	63.5	.59	79.9	78.4	NNE	0.2					
11 ,,	.889	.330	82.4	69.4	13.0	62.5	.53	82.0	78.8	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
2	L	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°1 and 83°4.
2	C	" "	
1	C	" "	
1	C	" "	
2	C	" "	
2	N	" "	
2	N	" "	
2	N	≀ scattered about hor.; fog in E and SE.	
2	N	≀ scattered around hor. [hor.	
2	L	≀ scattered around hor., except in S & SE; mist from W to N; & fog from N to SE	
2	L	" " " " " " " " " "	
2	L	" " " " " " " " " "	
2	L	Light ≀ scattered around hor.; light haze around hor.	
2	C	Light ≀ scattered around hor; haze in hor.	
2	C	≀ around hor., and in zth.	
3	C	Light ≀ scattered here and there.	
1	C	" " " "	
1	N	" " " "	
2	N	≀ scattered around hor. and W of zth.	
2	N	" " " "	
1	N	≀ scattered about hor.	
0	L	A few ≀ in W above hor.	
0	L	A few ≀ above W and E hor.	
1	L	≀ scattered in SW and NE.	
2	L	≀ scattered above E and SE hor.; ≀ around hor. from W to NE; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°4.
0	C	≀ scattered in W, N, and NE hor.; dew falling.	
0	C	≀ scattered in hor. from W to N; dew falling.	
0	C	" " " " "	
0	C	Clear, with dew falling.	At 4 P. M. the Temperature of Wet Bulb Thermometer was 76.3, being about 1.4 higher than the Normal Mean.
0	N	Dense ≀ scattered about E hor.	
0	N	Dense ≀ in E and SW.	
0	N	≀ scattered in W, NW, and E; fog along E hor. [W to SE hor.	
0	N	≀ scattered in W and E hor., and a few to SW and N of zth.; light mist from	
0	L	A few ≀ about NW, N, and NE of zth.; haze in hor. from W to S.	
0	L	A few ≀ in NW and N hor.; haze in hor. from W to S.	
0	L	A few ≀ above NE, E, and SE hor.; haze from W to SE hor.	
1	L	≀ scattered about E hor. and in zth.; haze along E hor.	
1	C	≀ scattered about hor. from N to SW, and a few in zth.	
1	C	≀ scattered here and there.	
2	C	" " "	
3	C	" " "	
7	N	Dense ≀ scattered throughout, moving N.	
7	N	" " " " "	
1	N	≀ scattered about hor.	
0	N	Clear.	
0	L	"	
0	L	"	
0	L	Clear, with dew falling.	
1	L	Light ≀ scattered around hor., except in S and SW; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9 and 83°4.
1	C	" " " " " " " "	
1	C	Light ≀ scattered here and there; dew falling.	
2	C	" " " " "	
2	C	" " " " "	
4	N	≀ scattered about.	
4	N	≀ scattered about; fog along E hor.	
4	N	" " " "	
4	N	" " " "	
5	L	≀ scattered about; haze from W to SE hor.	
5	L	" " " " "	
4	L	" " " " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 19th–Noon.	29.868	29.337	85°8	69°4	16°4	60°3	0.44	84°5	79°3	NNE	0.2					
1 p. m.	.830	.218	87.4	72.2	15.2	64.7	.49	85.7	79.8	W b N	0.1					
2 „	.811	.086	87.1	75.1	12.0	69.9	.58	85.2	80.0	„	0.1					
3 „	.804	.079	85.0	74.5	10.5	69.9	.62	83.5	80.0	„	0.2					
4 „	.816	.059	83.8	75.0	8.8	71.2	.67	82.8	80.0	WNW	0.2					
5 „	.825	.075	81.0	74.0	7.0	71.0	.73	80.4	79.8	NW b W	0.2		+	4.0		0.20
6 „	.835	.090	78.7	73.2	5.5	70.7	.78	79.0	79.6	NW	0.2	None.	+	2.0		1.15
7 „	.850	.106	78.2	73.0	5.2	70.7	.79	78.6	79.5	„	0.4		+	1.0		Above 10m.
8 „	.863	.117	78.0	73.0	5.0	70.8	.80	78.3	79.4	„	0.4		+	1.0		0.04
9 „	.873	.083	77.4	74.0	3.4	72.6	.86	77.5	79.4	„	0.0		+	2.0		0.30
10 „	.878	.128	75.6	72.4	3.2	71.0	.86	75.8	79.2	„	0.0		+	19.0	20.0	0.10
11 „	.868	.158	74.6	71.0	3.6	69.3	.84	75.4	79.0	„	0.1		+	14.0	10.0	0.15
Nov. 20th-Midnight	.853	.119	73.8	71.4	2.4	70.3	.89	74.2	78.8	NW	0.0		+	2.0		0.04
1 a. m.	.850	.113	73.2	71.3	1.9	70.4	.91	74.0	78.6	„	0.0		+	17.0	15.0	0.07
2 „	.837	.122	73.1	70.7	2.4	69.5	.89	73.8	78.4	NW b N	0.0		+	6.0		0.17
3 „	.824	.171	72.5	68.6	3.9	66.7	.83	73.5	78.2	„	0.0		+	4.0		7.48
4 „	.828	.158	73.5	69.5	4.0	67.5	.83	73.9	78.2	NNE	0.0		+	2.0		3.15
5 „	.835	.198	72.6	68.2	4.4	65.9	.81	73.4	78.0	NE b E	0.0					
6 „	.855	.231	73.2	68.0	5.2	65.3	.77	73.4	77.9	„	0.1					
7 „	.880	.250	74.4	68.6	5.8	65.6	.75	75.0	77.7	„	0.2		+	1.0		Above 10m.
8 „	.901	.272	77.6	69.6	8.0	65.5	.68	77.6	78.0	ENE	0.1		+	4.0		1.15
9 „	.913	.274	79.8	70.6	9.2	66.0	.64	79.6	78.5	„	0.4		+	1.0		Above 10m.
10 „	.903	.237	83.2	72.4	10.8	67.3	.60	82.4	79.0	„	0.4		+	8.0		2.00
11 „	.876	.282	83.8	70.6	13.2	63.8	.53	83.2	79.3	NNE	0.3		+	1.0		Above 10m.
Noon.	.842	.312	85.6	69.3	16.3	60.4	.45	84.8	79.6	„	0.1	None.	+	1.0		4.00
1 p. m.	.812	.304	86.6	69.0	17.6	59.1	.42	85.2	80.0	NE b N	0.1		+	3.0		9.00
2 „	.795	.181	87.2	72.2	15.0	64.8	.49	85.6	80.2	N b W	0.1		+	6.0		Above 10m.
3 „	.791	.129	86.2	73.2	13.0	67.1	.54	84.2	80.3	NW	0.2		+	3.0		8.35
4 „	.790	.067	83.2	74.0	9.2	69.9	.65	82.2	80.1	„	0.5					
5 „	.803	.054	79.8	73.6	6.2	70.9	.75	80.0	79.8	NW b N	0.4					
6 „	.822	.085	78.2	72.8	5.4	70.4	.78	78.4	79.6	NNW	0.4		+	4.0		1.15
7 „	.835	.094	77.8	72.8	5.0	70.6	.80	78.2	79.5	„	0.5		+	8.0		0.18
8 „	.848	.104	77.5	72.8	4.7	70.7	.81	78.0	79.4	„	0.6		+	4.0		0.12
9 „	.850	.105	77.4	72.8	4.6	70.7	.81	77.6	79.4	„	0.5		+	4.0		0.10
10 „	.859	.151	76.0	71.3	4.7	69.1	.80	76.2	79.2	„	0.1		+	16.0	16.0	0.10
11 „	.845	.165	74.2	70.0	4.2	67.9	.82	74.8	78.9	„	0.0		+	7.0		0.30
Nov. 21st-Midnight	.829	.163	73.0	69.2	3.8	67.3	.83	74.0	78.6	NNW	0.0		+	3.0		0.20
1 a. m.	.886	.176	72.0	68.4	3.6	66.6	.84	73.0	78.5	„	0.0		+	14.0	10.0	0.06
2 „	.823	.162	72.6	68.9	3.7	67.0	.84	73.6	78.3	„	0.0		+	9.0	10.0	1.15
3 „	.810	.141	73.0	69.3	3.7	67.4	.84	73.7	78.2	NE	0.0		+	10.0	10.0	1.10
4 „	.812	.194	72.8	67.7	5.1	65.0	.78	73.6	78.1	NE b E	0.1		+	5.0		3.40
5 „	.814	.221	73.0	67.0	6.0	63.8	.74	73.8	78.0	ENE	0.1		+	4.0		0.50
6 „	.834	.247	73.0	66.8	6.2	63.8	.73	73.6	77.8	„	0.1		+	2.0		1.03
7 „	.859	.249	73.2	67.6	5.6	64.6	.76	73.8	77.5	„	0.2		+	4.0		1.10
8 „	.878	.300	74.4	67.0	7.4	63.0	.69	74.8	77.8	„	0.2		+	4.0		1.08
9 „	.899	.312	76.0	67.8	8.2	63.4	.57	76.2	78.0	E b N	0.2		+	2.0		Above 10m.
10 „	.893	.355	78.0	67.0	11.0	60.8	.61	78.2	78.5	E	0.1		+	2.0		Above 10m.
11 „	.880	.253	80.9	70.6	10.3	65.4	.51	80.4	78.7	„	0.1		+	2.0		Above 10m.
Noon.	.859	.319	82.0	68.4	13.6	60.9	.47	81.4	79.0	NE b E	0.1		+	1.0		Above 10m.
1 p. m.	.832	.304	83.6	78.6	15.0	60.3	.53	82.7	80.3	NE	0.0	None.	+	4.0		Above 10m.
2 „	.806	.210	83.3	70.5	12.8	63.9	.55	82.0	79.1	NW	0.1		+	3.0		7.35
3 „	.787	.188	82.8	70.4	12.4	64.1	.61	82.0	79.2	NW b W	0.3		+	3.0		6.00
4 „	.787	.141	81.8	71.4	10.4	66.4	.70	81.3	79.3	WNW	0.2		+	3.0		0.42
5 „	.800	.142	79.4	71.0	8.4	66.9	.74	78.4	79.0	NW	0.3		+	14.0		0.50
6 „	.812	.120	77.6	71.4	6.2	68.5	.75	78.0	78.8	„	0.4		+	8.0		0.10
7 „	.824	.165	76.8	70.8	6.0	67.0	.77	77.2	78.6	„	0.4		+	12.0		0.10
8 „	.835	.138	76.8	71.3	5.5	68.7	.76	77.0	78.5	NW b N	0.5		+	4.0		1.00
9 „	.832	.156	76.4	70.6	5.8	67.8	.77	76.2	78.6	„	0.8					
10 „	.830	.163	75.4	70.0	5.4	67.3	.74	75.5	78.5	„	0.8					
11 „	.831	.248	72.8	66.6	6.2	63.2	.73	73.2	78.1	NNW	0.1		+	6.0		1.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ⌣≀ nimbi.	
4	L	≀ scattered about; haze from W to SE hor.	
2	C	≀ scattered about.	
3	C	" "	
3	C	" "	
2	C	" "	
3	N	" "	
3	N	" "	
2	N	" "	
1	N	≀ scattered about hor.	
1	L	" " "	
1	L	" " "	
1	L	≀ scattered here and there; dew falling.	
0	L	Clear, with dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9, and 83°4.
0	C	A few ≀ in SE, E, and N; dew falling.	
0	C	≀ scattered here and there; dew falling.	
0	C	Light ≀ scattered about; dew falling.	
1	C	" " " "	
6	N	≀ scattered throughout; lunar-halo.	
4	N	" " " "	
4	N	Clouded as before; light fog in NE, E, and SE hor.	
2	N	≀ scattered around hor.; mist and fog in hor.	
2	L	≀ scattered around hor.; light mist from W to SE hor.	
2	L	" " " " " "	
3	L	≀ scattered about; haze in hor.	
2	L	" " " "	
2	C	≀ scattered about.	
3	C	" "	
2	C	" "	
1	C	≀ scattered about hor.	
1	N	" " "	
1	N	" " "	
1	N	" " "	
1	N	" " "	
0	L	Clear, except in hor.	
0	L	" " "	
0	L	A few clouds along E hor.	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9 and 83°4.
0	C	" " "	
0	C	A few ≀ along E hor.	
1	C	≀ scattered about; a few patches of ≀≀ in zth., moving NE.	The force of Wind was greater than one.
1	C	≀ scattered about.	
8	N	Densely clouded with ≀; a lunar-halo.	
8	N	Densely clouded with ≀, moving NNW.	
8	N	Overcast with ≀, moving N; fog along E hor.	
8	N	" " " " "	
8	L	" " " " "	
8	L	" " " " "	
8	L	" " " " "	
7	L	" " " " "	
7	C	Densely clouded with ≀.	
7	C	" " "	
7	C	" " "	
4	C	" " "	
3	N	≀ scattered around hor.	
3	N	≀ scattered about.	
1	N	Light ≀ scattered about.	
1	N	≀ scattered around hor.	
1	L	" " "	
1	L	" " "	
2	L	" " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 22nd Midnight	29.812	29.155	73°2	69°0	4°2	66°9	0.82	74°0	78°0	N b E	0.1		+	2.0		0.15
1 a. m.	.796	.235	73.0	66.0	7.0	62.1	.70	73.6	78.0	„	0.0		+	3.0		4.35
2 „	.781	.250	72.5	64.9	7.6	60.4	.68	73.0	77.8	„	0.2					
3 „	.777	.245	72.6	64.9	7.7	60.5	.68	72.9	77.6	„	0.1		+	2.0		8.15
4 „	.784	.287	71.2	63.3	7.9	58.4	.66	71.9	77.3	„	0.1		+	1.0		Above 10m.
5 „	.783	.313	71.2	62.4	8.8	56.8	.62	71.8	77.0	N	0.1		+	2.0		1.16
6 „	.804	.312	69.2	62.4	6.8	58.1	.71	69.8	76.7	„	0.0		+	4.0		0.52
7 „	.822	.260	71.8	63.6	6.2	62.1	.73	72.2	76.5	NE b N	0.0		+	2.0		0.03
8 „	.846	.292	73.6	66.0	7.6	61.7	.68	74.0	76.6	„	0.0		+	2.0		0.42
9 „	.862	.306	75.2	66.6	8.6	61.8	.65	75.5	76.9	NNE	0.1					
10 „	.848	.268	77.2	68.0	9.2	63.1	.63	77.4	77.2	„	0.0					
11 „	.819	.281	78.0	67.0	11.0	60.8	.57	77.6	77.5	NW	0.2		+	2.0		Above 10m.
Noon.	.797	.221	80.5	69.0	11.5	62.9	.57	79.8	77.8	W b N	0.2	None.	+	1.0	None.	Above 10m.
1 p. m.	.754	.157	81.1	69.8	11.3	64.0	.58	80.8	78.0	WNW	0.1		+	2.0		Above 10m.
2 „	.738	.156	80.2	69.0	11.2	63.1	.57	79.9	78.0	„	0.2		+	2.0		Above 10m.
3 „	.736	.160	80.1	68.9	11.2	62.9	.57	79.6	78.1	„	0.1		+	2.0		Above 10m.
4 „	.741	.146	79.3	69.5	9.8	63.9	.62	79.0	78.2	„	0.1		+	2.0		Above 10m.
5 „	.747	.129	77.4	69.2	8.2	65.0	.67	77.2	78.0	„	0.1		+	2.0		Above 10m.
6 „	.765	.132	76.0	69.2	6.8	65.7	.72	76.2	77.8	NW b W	0.1		+	2.0		Above 10m.
7 „	.779	.101	76.2	70.6	5.6	67.8	.77	76.2	77.8	„	0.1					
8 „	.791	.103	76.0	70.8	5.2	68.3	.78	76.2	77.8	NW	0.1					
9 „	.799	.104	76.0	71.0	5.0	68.6	.79	76.2	77.8	„	0.1					
10 „	.799	.132	75.4	70.0	5.4	67.3	.77	76.0	77.7	„	0.1					
11 „	.789	.088	74.8	70.8	4.0	68.9	.83	75.4	77.6	„	0.1		+	2.0		0.12
Nov. 24th Midnight	.870	.119	74.2	72.0	2.2	71.0	.90	74.6	77.8	ESE	0.1					
1 a. m.	.858	.112	74.0	71.8	2.2	70.8	.90	74.4	77.7	SE	0.0					
2 „	.854	.126	73.0	71.0	2.0	70.0	.91	73.2	77.6	SE b E	0.1					
3 „	.848	.129	72.2	70.5	1.7	69.7	.92	72.7	77.4	E b N	0.1					
4 „	.852	.136	72.2	70.4	1.8	69.5	.92	72.7	77.2	E	0.2					
5 „	.858	.142	72.2	70.4	1.8	69.5	.92	72.6	77.0	„	0.2					
6 „	.886	.196	71.4	69.4	2.0	68.4	.91	72.0	76.9	E b N	0.2					
7 „	.910	.196	72.4	70.4	2.0	69.4	.91	73.0	76.9	ENE	0.2					
8 „	.938	.230	74.8	71.0	3.8	69.2	.84	75.0	77.0	„	0.1					
9 „	.951	.243	76.8	71.6	5.2	69.2	.78	76.6	77.2	NNE	0.1					
10 „	.945	.253	78.2	71.6	6.6	68.5	.73	78.2	77.5	NE b N	0.1		+	1.0		3.15
11 „	.922	.238	79.1	71.7	7.4	68.1	.70	79.0	77.8	„	0.1	None.	+	3.0	None.	1.10
Noon.	.886	.186	80.5	72.5	8.0	68.8	.69	79.8	78.0	„	0.1		+	7.0		0.25
1 p. m.	.859	.150	81.4	73.0	8.4	69.2	.67	80.6	78.2	W b N	0.1		+	2.0		8.30
2 „	.837	.127	81.3	73.0	8.3	69.3	.68	80.6	78.4	„	0.2		+	1.0		2.45
3 „	.837	.110	81.8	73.6	8.2	70.0	.68	80.8	78.5	W	0.2		+	2.0		2.10
4 „	.846	.131	80.8	73.0	7.8	69.5	.70	80.6	78.5	WNW	0.3		+	2.0		0.35
5 „	.864	.122	78.0	72.9	5.1	68.9	.79	77.8	78.2	„	0.1					
6 „	.884	.132	76.8	72.8	4.0	71.0	.83	76.6	78.2	„	0.1					
7 „	.903	.154	76.4	72.6	3.8	70.9	.85	76.4	78.1	NW b W	0.1					
8 „	.918	.167	76.2	72.6	3.6	71.0	.85	76.2	78.1	NW	0.1					
9 „	.934	.178	75.8	72.6	3.2	71.2	.86	76.0	78.1	„	0.0					
10 „	.937	.188	74.2	71.4	2.8	70.9	.88	74.6	78.0	„	0.0					
11 „	.925	.182	73.6	71.6	2.0	70.7	.91	74.2	77.8	„	0.0					
Nov. 25th Midnight	.910	.152	74.2	72.2	2.0	71.3	.91	74.7	77.8	NW	0.0					
1 a. m.	.894	.123	74.4	72.6	1.8	71.8	.92	74.9	77.8	„	0.0					
2 „	.880	.105	74.3	72.7	1.6	72.0	.93	74.9	77.7	„	0.0					
3 „	.870	.140	73.8	71.3	2.5	70.1	.89	74.4	77.7	„	0.0					
4 „	.878	.148	73.2	71.1	2.1	70.1	.90	73.7	77.5	„	0.0					
5 „	.887	.166	73.6	71.0	2.6	69.7	.89	73.8	77.3	„	0.0	None.	None.	None.	None.	None.
6 „	.910	.165	73.4	71.6	1.8	70.7	.92	74.0	77.3	„	0.0					
7 „	.936	.187	74.4	72.0	2.4	70.9	.89	74.6	77.2	NE	0.1					
8 „	.971	.210	76.6	73.0	3.6	71.4	.85	76.4	77.5	NE b E	0.1					
9 „	.986	.222	78.4	73.6	4.8	71.5	.80	78.2	77.9	„	0.2					
10 „	.982	.230	80.2	73.8	6.4	71.0	.75	80.2	78.1	„	0.0					
11 „	.962	.223	82.0	74.0	8.0	70.5	.69	81.7	78.5	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
3	L	⌒i scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°8 and 83°4.
3	C	" "	
4	C	" "	
5	C	Dense ⌒i scattered about, moving W.	The mean height of Barometer at 3 P. M. was 29.736ins., the lowest during the month, being about 0.118ins. lower than the Normal Mean. The Temperature of External Air at 6 A. M. was 69°2, being about 3°6 lower than the Normal Mean. At 5 A. M. the Temperature of Wet Bulb Thermometer was 62°4 being about 6°0 lower that the Normal Mean. Wind blew abnormally on this day.
7	C	Densely clouded with ⌒i, moving W.	
8	N	Overcast with ⌒i, moving NNW.	
8	N	Overcast with ∿i and ⌒i, moving NW.	
8	N	Overcast with ∿i and ⌒i, both moving NW; fog from N to SE hor.	
8	N	Overcast with ⌒i, moving NW.	
7	L	⌒i scattered throughout, moving N; mist from SW to N hor. & haze in remainder [of hor.	
7	L	Clouded as before; haze around hor.	
7	L	" " " "	
7	L	Overcast with ⌒i; haze in hor.	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	N	" " "	
7	N	Densely clouded with ⌒i.	
3	N	⌒i scattered about hor.	
1	N	⌒i scattered around hor.	
0	N	Clear.	
0	N	"	
0	N	"	
0	L	Clear, with dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°8 and 83°3. Wind blew abnormally on this day.
0	C	" " "	
0	C	A few ⌒i above E hor.	
1	C	⌒i scattered in NE, E, and SE above hor.	
2	C	⌒i scattered about E hem.; a few patches of ∿i scattered about, moving NW.	
4	N	∿i scattered about, moving NW.	
4	N	" " " "	
1	N	∿i scattered around hor.; haze along E hor.	
1	N	" " " " "	
1	N	" " " " "	
0	N	Haze along E hor.	
0	C	" "	
0	C	∿i scattered above hor. from N to SE.	
0	C	" " " "	
0	C	∿i scattered above hor. from N to E.	
0	C	" " " "	
0	C	∿i and a few ⌒i in N and NE above hor.	
0	N	A few ⌒i around hor.	
0	N	Clear.	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	Clear, with dew falling.	
0	L	Clear, dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°4 and 83°2. At 6 A. M. the Temperature of External Air was 74.0, the lowest during the month.
2	C	⌒i scattered about, dew falling.	
4	C	⌒i around hor.; ∿i scattered about, moving W.	
3	C	Dense ⌒i scattered about; a few patches of ∿i in zth., moving WNW.	
5	C	∿i above E hor.; ⌒i scattered about.	
0	N	A few ⌒i in E above hor.	
0	N	∿i scattered around hor.	
0	N	∿i around hor.; haze along E hor.	
0	N	" " " "	
0	L	∿i in NE and E hor.; mist from SW to N hor. and haze in remainder of hor.	
0	L	" " " " " " " " "	
0	L	" " " " " " " " "	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 25th–Noon.	29.933	29.094	86°0	77°7	8°3	74°4	0.69	84°4	79°9	NNW	0.1					
1 p. m.	.900	.061	85.2	77.5	7.7	74.4	.71	84.0	79.5	NW b W	0.1					
2 „	.882	.024	85.4	78.0	7.4	75.1	.72	84.2	79.6	W b N	0.1					
3 „	.878	.045	84.0	77.0	7.0	74.2	.73	83.0	79.6	„	0.2					
4 „	.886	.049	83.6	77.0	6.6	74.4	.75	82.8	79.8	NW b W	0.2					
5 „	.891	.072	81.0	75.8	5.2	73.7	.79	80.8	79.5	NW	0.1	None.	None.	None.	None.	None.
6 „	.897	.103	79.8	74.8	5.0	72.8	.80	80.0	79.4	„	0.1					
7 „	.925	.122	79.6	75.0	4.6	73.1	.81	80.0	79.4	„	0.2					
8 „	.939	.115	79.6	75.6	4.0	73.9	.84	79.8	79.4	„	0.1					
9 „	.948	.099	79.0	76.0	3.0	74.8	.88	78.8	79.5	NW b N	0.0					
10 „	.945	.188	78.0	73.3	4.7	71.2	.81	78.4	79.3	„	0.0					
11 „	.935	.216	77.1	72.0	5.1	69.7	.79	77.7	79.1	„	0.0					
Nov. 26th Midnight	.918	.172	77.0	72.7	4.3	70.8	.82	77.6	79.1	NW b N	0.0					
1 a. m.	.908	.153	76.4	72.8	3.6	71.2	.85	76.5	79.0	„	0.0					
2 „	.897	.132	76.4	73.0	3.4	71.6	.85	76.3	78.9	„	0.0					
3 „	.891	.107	76.2	73.5	2.7	72.3	.88	76.3	78.8	„	0.0					
4 „	.897	.140	77.0	73.0	4.0	71.3	.83	77.0	78.8	NNE	0.1					
5 „	.905	.106	77.2	74.2	3.0	73.0	.87	77.6	78.7	„	0.1					
6 „	.933	.193	76.6	72.4	4.2	70.5	.82	77.0	78.7	„	0.1					
7 „	.965	.170	77.6	74.2	3.4	72.8	.86	78.2	78.6	„	0.1					
8 „	.993	.223	79.2	74.0	5.2	71.8	.79	79.6	78.8	„	0.1					
9 „	30.002	.234	81.1	74.5	6.6	71.7	.74	81.2	79.2	„	0.1					
10 „	29.999	.259	83.7	74.5	9.2	70.5	.66	83.4	79.5	„	0.1					
11 „	.983	.270	85.4	74.3	11.1	69.4	.60	84.2	80.0	„	0.1	None.	None.	None.	None.	None.
Noon.	.954	.232	88.4	75.4	13.0	69.8	.56	87.2	80.4	„	0.0					
1 p. m.	.916	.113	89.8	77.8	12.0	73.1	.59	88.2	80.9	NNW	0.0					
2 „	.895	.096	89.0	77.5	11.5	73.0	.61	87.3	81.0	NW	0.2					
3 „	.880	.037	86.6	78.0	8.6	74.6	.69	85.7	81.1	NW b W	0.2					
4 „	.887	.065	85.0	77.0	8.0	73.8	.70	84.2	81.0	WNW	0.3					
5 „	.901	.098	81.8	75.6	6.2	73.1	.76	82.1	80.6	NW b W	0.2					
6 „	.919	.127	80.6	75.0	5.6	72.7	.78	80.8	80.5	NW	0.2					
7 „	.937	.177	80.1	74.0	6.1	71.4	.76	80.3	80.4	„	0.2					
8 „	.948	.145	79.6	75.0	4.6	73.1	.81	80.0	80.3	„	0.2					
9 „	.957	.151	79.4	75.0	4.4	73.2	.82	79.9	80.3	NW b N	0.6					
10 „	.955	.193	78.6	73.6	5.0	71.4	.80	78.8	80.2	„	0.2					
11 „	.965	.247	77.2	72.0	5.2	69.6	.78	77.4	80.0	NNW	0.2					
Nov. 27th Midnight	.948	.224	76.6	72.0	4.6	69.9	.81	77.0	79.8	NNW	0.2					
1 a. m.	.941	.228	76.0	71.5	4.5	69.4	.81	76.3	79.6	NW b N	0.0		+	1.0		1.30
2 „	.929	.213	75.4	71.4	4.0	69.5	.83	76.0	79.4	„	0.0		+	1.0		0.10
3 „	.911	.219	74.8	70.7	4.1	68.5	.82	75.3	79.2	„	0.0		+	1.0		0.25
4 „	.915	.235	74.8	70.2	4.6	67.9	.80	75.3	79.1	„	0.0					
5 „	.923	.195	74.6	71.4	3.2	70.0	.86	75.2	79.0	NNW	0.0					
6 „	.941	.204	74.8	71.8	3.0	70.4	.87	75.4	78.8	„	0.0					
7 „	.965	.239	75.8	71.8	4.0	69.9	.83	76.0	78.6	NE b N	0.1					
8 „	.992	.278	78.2	72.2	6.0	69.4	.76	78.2	78.8	NNE	0.1					
9 „	30.011	.298	81.0	73.0	8.0	69.4	.69	81.0	79.3	„	0.1					
10 „	.000	.316	83.5	73.0	10.5	68.1	.61	83.3	79.7	„	0.1					
11 „	29.978	.334	86.1	72.7	13.4	66.3	.53	85.0	80.1	N	0.2					
Noon.	.942	.171	86.1	76.0	10.1	71.8	.64	84.6	80.4	NNW	0.3	None.			None.	
1 p. m.	.906	.153	86.0	75.5	10.5	71.1	.62	85.1	80.6	„	0.2					
2 „	.879	.181	85.7	74.0	11.7	68.7	.58	84.9	80.7	„	0.4					
3 „	.872	.195	85.6	73.4	12.2	67.8	.57	84.9	80.9	„	0.5					
4 „	.871	.258	85.0	71.5	13.5	64.8	.52	84.1	81.0	„	0.6					
5 „	.881	.248	81.6	71.0	10.6	65.7	.60	81.6	80.6	„	0.5		+	2.0		2.16
6 „	.887	.234	79.8	71.0	8.8	66.7	.66	80.0	80.2	„	0.6		+	4.0		0.48
7 „	.904	.208	79.2	72.0	7.2	68.6	.71	79.4	80.0	„	0.5		+	10.0		0.10
8 „	.919	.232	78.7	71.6	7.1	68.3	.72	79.2	80.0	„	0.5		+	8.0		0.14
9 „	.927	.314	77.5	69.1	8.4	64.8	.66	77.8	79.8	„	0.2		+	6.0		3.00
10 „	.934	.325	75.8	68.4	7.4	64.6	.70	76.2	79.5	„	0.1		+	13.0		1.00
11 „	.927	.354	74.8	67.0	7.8	67.2	.68	75.5	79.2	„	0.3		+	2.0		5.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≤∩ nimbi.	
0	L	≤ scattered in E hem.; haze along E hor.	
1	C	≤ scattered about hor. from N to SE.	
2	C	≤ scattered about E hem.	
2	C	" " "	
1	C	≤ in E hem.; a few ≤ above E hor.	
1	N	≤ scattered along E hor.	
1	N	" " "	
1	N	Clear.	
0	N	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°2 and 83°1.
0	C	"	
1	C	Dense ≤ scattered about E hor.	
2	C	≤ and fleecy clouds scattered about E hem., the latter moving W.	
4	C	≤ in E hem.; fleecy clouds scattered about, moving W.	
3	N	Fleecy clouds scattered about, moving NW.	
3	N	Fleecy clouds scattered about hor., moving NW.	
3	N	" " " " " " ; haze along E hor.	
3	N	" " " " " " " "	
4	L	⌣ above NW and N hor.; and fleecy clouds scattered about; haze in hor.	
4	L	⌣ above NW hor.; fleecy clouds scattered about, moving E; haze in hor.	
4	L	≤ in E above hor.; fleecy clouds scattered about, moving E.	
4	L	≤ scattered about, moving E.	
4	C	≤ in E hem., and fleecy clouds scattered about, dense ≤ in W.	
2	C	≤ in E hem.; ≤ scattered in NW and W.	
2	C	≤ in E hem. and dense ≤ scattered in W and SW above hor.	
1	C	Patches of ≤ in E and dense ≤ in W and S.	
1	N	A few patches of ≤ in E hor.	
1	N	" " " "	
0	N	" " " "	
0	N	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°2 and 83°2.
0	C	"	
2	C	Dense ≤ along E hor.; a few patches of fleecy clouds in SE, moving NW.	
4	C	Dense ≤ around hor.; fleecy clouds scattered about, moving W.	
4	C	Dense ≤ scattered about hor.; a few patches of fleecy clouds in zth.	
2	N	Fleecy clouds scattered about hor.	
5	N	Fleecy clouds scattered about, moving E.	
3	N	Fleecy clouds scattered about; haze along E hor.	
1	N	Fleecy clouds scattered around hor.	
0	L	A few patches of fleecy clouds in SE, W, and NW; haze in hor. from W to S.	
0	L	" " " " " " " " "	
0	L	Haze around hor.	
0	L	" "	
0	C	Dense ≤ above NE, E, and SE hor.	
0	C	" " " "	
0	C	" " " "	
0	C	" " " "	
0	N	A few fragments of clouds scattered here and there.	
0	N	" " " " "	
0	N	Clear.	
0	N	"	
0	L	"	
0	L	"	
0	L	"	

At 1 P. M. the Temperature of External Air was 89.8, being about 4° higher than the Normal Mean.

At noon the Temperature of Wet Bulb Thermometer was 76.0, being about 4.5 higher than the the Normal Mean. At 9 A. M. the height of Standard Barometer was 30.011, being about 0.032 higher than the Normal Mean.

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Nov. 28th Midnight	29.922	29.379	74°6	66°0	8°6	61°0	0.64	75°0	79°0	NNW	0.2		+	1.0		2.00
1 a. m.	.913	.362	72.8	65.6	7.2	61.5	.69	73.4	78.7	„	0.0		+	2.0		4.15
2 „	.898	.366	71.0	64.4	6.6	60.5	.70	72.2	78.4	„	0.0		+	2.0		7.25
3 „	.895	.423	72.6	63.0	9.6	56.9	.69	73.3	78.1	„	0.0		+	2.0		5.40
4 „	.891	.438	73.8	62.8	11.0	55.7	.55	74.1	78.1	N b E	0.2		+	3.0		Above 10m.
5 „	.899	.448	74.0	62.8	11.2	55.5	.55	74.2	77.8	„	0.2		+	4.0		Above 10m.
6 „	.919	.498	74.0	61.6	12.4	53.5	.50	74.2	77.8	„	0.2		+	2.0		Above 10m.
7 „	.937	.493	74.6	62.8	11.8	55.1	.53	74.6	77.7	NNE	0.1		+	6.0		2.04
8 „	.968	.506	76.2	64.0	12.2	56.3	.52	76.2	77.7	„	0.1		+	12.0		0.42
9 „	.985	.464	78.4	66.6	11.8	59.9	.55	78.2	78.1	NE b N	0.4		+	1.0		Above 10m.
10 „	.980	.459	80.1	67.2	12.9	59.9	.52	80.0	78.3	„	0.3		+	3.0		Above 10m.
11 „	.953	.501	83.1	66.1	17.0	55.6	.41	83.0	78.7	N b W	0.3	None.	+	2.0	None.	Above 10m.
Noon.	.917	.364	84.7	69.7	15.0	61.6	.48	83.4	79.2	NW	0.6		+	2.0		Above 10m.
1 p. m.	.881	.275	84.7	71.2	13.5	64.4	.52	83.8	79.5	NW b W	0.4		+	2.0		Above 10m.
2 „	.862	.255	84.6	71.2	13.4	64.7	.53	83.8	79.6	NW	0.5		+	2.0		Above 10m.
3 „	.854	.234	84.4	71.5	12.9	65.1	.54	83.3	79.8	„	0.7					
4 „	.853	.231	83.6	71.3	12.3	65.2	.56	82.8	79.9	„	0.5					
5 „	.868	.243	79.8	70.2	9.6	65.4	.63	80.0	79.6	„	0.2					
6 „	.880	.216	78.2	70.8	7.4	67.2	.70	78.6	79.2	NW b W	0.2					
7 „	.896	.197	77.6	71.6	6.0	68.8	.76	78.0	79.0	„	0.1					
8 „	.911	.293	76.2	68.8	7.4	65.0	.70	76.2	79.0	NNW	0.1					
9 „	.911	.333	74.4	67.0	7.4	63.0	.69	74.8	78.6	„	0.1					
10 „	.917	.350	73.6	66.4	7.2	62.4	.70	74.2	78.4	„	0.1					
11 „	.913	.345	72.4	66.0	6.4	62.5	.72	73.3	78.2	„	0.1					
Nov. 29th Midnight	.906	.379	71.5	64.4	7.1	60.2	.69	72.2	77.9	NNW	0.1					
1 a. m.	.887	.369	71.0	64.3	6.7	59.7	.71	71.7	77.6	„	0.0					
2 „	.880	.322	70.4	65.0	5.4	61.9	.76	71.2	77.4	„	0.0					
3 „	.878	.265	72.2	67.3	4.9	64.8	.78	72.3	77.4	„	0.0					
4 „	.881	.306	71.8	66.0	5.8	62.8	.75	72.2	77.2	N b E	0.0					
5 „	.896	.321	70.6	65.6	5.0	62.8	.78	70.8	76.8	„	0.0					
6 „	.919	.413	69.0	62.8	6.2	59.0	.72	70.0	76.5	„	0.1					
7 „	.947	.366	71.2	66.0	5.2	63.1	.77	72.2	76.5	„	0.0					
8 „	.975	.386	74.6	67.1	6.5	63.5	.73	74.4	76.6	„	0.1					
9 „	.987	.407	77.2	68.0	9.2	63.1	.63	76.4	77.2	„	0.1					
10 „	.976	.386	78.3	68.7	9.6	63.6	.62	77.7	77.4	NNE	0.1					
11 „	.962	.352	80.6	69.8	10.8	64.6	.59	79.5	77.8	SW b S	0.1	None.			None.	
Noon.	.932	.300	81.1	70.8	10.3	65.7	.61	79.9	78.0	WNW	0.1					
1 p. m.	.894	.248	81.8	71.4	10.4	66.4	.61	80.8	78.2	W b N	0.1					
2 „	.877	.190	82.7	72.8	9.9	68.2	.62	81.5	78.5	WNW	0.2					
3 „	.866	.166	82.8	73.2	9.6	68.8	.64	81.7	78.7	„	0.3					
4 „	.866	.139	81.8	73.6	8.2	70.0	.68	80.9	78.8	„	0.2		+	1.0		Above 10m.
5 „	.878	.124	78.6	73.4	5.2	71.1	.79	78.7	78.5	NW b W	0.2					
6 „	.887	.130	77.0	73.0	4.0	70.2	.83	77.1	78.4	NW	0.1					
7 „	.903	.143	76.4	72.8	3.6	71.4	.85	76.4	78.3	„	0.2					
8 „	.921	.148	76.3	73.2	3.0	71.9	.87	76.3	78.2	„	0.1					
9 „	.931	.189	75.0	72.0	3.0	70.6	.87	75.4	78.2	NW b N	0.1					
10 „	.934	.215	73.8	71.0	2.8	69.7	.88	74.2	78.1	„	0.1					
11 „	.922	.184	73.4	71.4	2.0	70.5	.91	74.0	77.9	„	0.1		+	5.0		0.04
Dec. 1st-Midnight	.905	.165	73.2	71.4	1.8	70.5	.92	74.0	77.8	NW b N	0.0		+	1.0		0.05
1 a. m.	.895	.164	72.1	70.8	1.3	70.2	.94	73.0	77.6	„	0.0					
2 „	.882	.203	71.6	69.8	1.8	67.9	.92	72.3	77.4	„	0.0		+	1.0		0.04
3 „	.876	.173	71.4	69.8	1.6	69.0	.93	72.2	77.3	„	0.0					
4 „	.882	.195	70.5	69.0	1.5	68.2	.93	71.4	77.1	„	0.0					
5 „	.892	.205	69.8	68.8	1.0	68.2	.95	70.6	76.7	„	0.0					
6 „	.911	.280	69.0	66.8	2.2	65.6	.90	70.0	76.5	„	0.0					
7 „	.942	.289	70.0	67.8	2.2	66.7	.90	71.2	76.3	NNW	0.0	None.	+	8.0		0.03
8 „	.963	.279	73.8	70.0	3.8	68.1	.83	74.0	76.5	N	0.0		+	4.0		0.04
9 „	.978	.302	75.2	70.2	5.0	67.8	.79	75.0	77.0	NE b N	0.1		+	7.0		0.05
10 „	.974	.318	77.0	70.2	6.8	66.8	.72	76.6	77.2	NE	0.1		+	14.0	8.0	0.25
11 „	.950	.300	79.4	70.8	8.6	66.6	.66	79.0	77.5	„	0.2		+	2.0		1.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 83°2.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	Mist from W to SE hor.	
0	N	,, ,, ,,	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	L	,, ,, ,,	
0	C	,, ,, ,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 83°2.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	Mist in hor.	
0	N	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	N	Haze along E hor.	
0	N	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	Clear; dew falling.	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°1.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	N	,, ,,	
0	N	,, ,,	
0	N	Clear; mist in hor.	
0	N	Mist in hor.; otherwise clear.	
0	L	Mist around hor.	
0	L	,, ,,	
0	L	,, ,,	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 1st—Noon.	29.921	29.254	81°8	72°0	9°8	67°3	0.63	80°7	77°9	NE	0.1		+	6.0		0.20
1 p. m.	.896	.213	82.7	72.7	10.0	68.1	.63	81.4	78.2	NW	0.1		+	1.0		1.54
2 „	.872	.155	82.4	73.5	8.9	69.5	.66	81.4	78.3	W	0.1		+	7.0		0.36
3 „	.859	.176	81.7	72.4	9.3	68.1	.65	80.9	78.5	W b N	0.2		+	3.0		0.25
4 „	.867	.208	81.6	72.0	9.6	67.0	.64	80.7	78.6	WNW	0.1		+	2.0		3.15
5 „	.873	.177	79.2	72.0	7.2	68.6	.71	78.8	78.5	„	0.1		+	5.0		0.30
6 „	.894	.181	77.6	72.0	5.6	69.4	.77	77.1	78.4	NW b W	0.1	None.	+	2.0	None.	0.35
7 „	.916	.217	75.0	70.8	4.2	68.8	.82	75.2	78.2	„	0.0		+	3.0		0.08
8 „	.935	.219	74.7	71.4	3.5	69.5	.85	75.0	77.9	„	0.0		+	6.0		0.04
9 „	.941	.251	73.6	70.0	3.6	68.4	.84	74.2	77.7	„	0.0					
10 „	.946	.305	72.2	68.2	4.0	66.1	.82	73.2	77.5	„	0.0					
11 „	.937	.241	72.7	70.0	2.7	68.6	.88	73.2	77.4	„	0.0					
Dec. 2nd—Midnight	.904	.218	73.0	69.8	3.2	68.2	.86	73.6	77.3	N b W	0.0					
1 a. m.	.890	.222	71.6	68.8	2.8	67.4	.87	72.0	77.1	„	0.0					
2 „	.882	.209	71.2	68.8	2.4	67.6	.89	72.2	76.9	„	0.0					
3 „	.882	.225	70.2	68.0	2.2	66.9	.90	71.2	76.6	„	0.0					
4 „	.884	.213	71.3	68.8	2.5	67.5	.89	72.0	76.6	„	0.1					
5 „	.894	.248	71.2	68.0	3.2	66.4	.85	71.9	76.6	ENE	0.1					
6 „	.904	.265	71.6	68.0	3.6	66.0	.84	72.0	76.5	„	0.1					
7 „	.937	.285	72.1	68.5	3.6	66.6	.84	72.2	76.4	NE	0.0					
8 „	.951	.382	73.4	66.4	7.0	62.5	.66	73.7	76.4	„	0.1					
9 „	.957	.337	77.2	69.2	8.0	65.1	.68	77.0	76.6	„	0.1					
10 „	.957	.372	79.2	68.8	10.4	63.3	.60	79.0	77.0	ENE	0.1					
11 „	.936	.335	81.3	70.0	11.3	64.2	.58	80.4	77.5	„	0.1	None.	+	1.0	None.	Above 10m.
Noon.	.907	.283	82.4	71.0	11.4	65.3	.58	81.8	77.7	„	0.0		+	2.0		1.15
1 p. m.	.879	.223	82.8	72.0	10.8	66.8	.60	81.8	78.1	WNW	0.0					
2 „	.865	.142	83.8	74.1	9.7	69.8	.64	82.8	78.3	NW b W	0.3					
3 „	.861	.154	83.6	73.6	10.0	69.1	.63	82.7	78.6	NW	0.4					
4 „	.860	.164	83.2	73.2	10.0	68.6	.63	82.0	78.7	„	0.4					
5 „	.872	.217	79.6	71.0	8.6	66.8	.67	79.1	78.5	„	0.2					
6 „	.883	.265	77.9	69.4	8.5	65.0	.66	77.7	78.3	„	0.4					
7 „	.898	.274	77.4	69.4	8.0	65.3	.68	77.3	78.2	NW b N	0.4					
8 „	.914	.276	77.0	70.0	7.0	66.0	.72	76.8	78.1	NNW	0.1		+	3.0		0.07
9 „	.919	.340	74.8	67.2	7.6	63.0	.68	74.8	77.8	„	0.1		+	4.0		0.42
10 „	.921	.323	73.8	67.4	6.4	64.0	.72	74.2	77.5	„	0.1		+	6.0		0.20
11 „	.912	.275	72.4	68.0	4.4	65.9	.81	72.8	77.3	„	0.0		+	3.0		0.10
Dec. 3rd—Midnight	.900	.244	72.6	68.8	3.8	66.7	.83	72.4	77.1	NNW	0.0		+	Out of Sc.	28.0	0.3
1 a. m.	.891	.252	71.8	68.0	3.8	66.0	.83	72.2	79.0	„	0.0					
2 „	.886	.280	71.8	67.0	4.8	64.4	.79	72.7	76.7	„	0.1					
3 „	.884	.255	72.2	67.8	4.4	65.5	.81	72.4	76.8	N	0.0					
4 „	.889	.323	70.2	65.2	5.0	62.3	.78	71.2	76.4	„	0.0					
5 „	.902	.312	69.7	65.7	4.0	63.6	.82	70.2	76.3	„	0.0					
6 „	.917	.406	67.5	62.4	5.1	59.3	.76	68.9	75.8	„	0.0					
7 „	.947	.418	69.6	63.8	5.8	60.3	.74	70.2	75.8	„	0.0					
8 „	.957	.456	72.6	63.9	8.7	58.7	.63	73.0	75.9	„	0.0					
9 „	.966	.359	75.9	68.6	7.3	64.7	.70	75.4	76.2	NE	0.1		+	2.0		0.32
10 „	.955	.427	78.9	67.0	11.9	60.3	.55	79.0	76.5	N	0.1					
11 „	.931	.347	81.6	69.6	12.0	63.3	.56	80.8	77.0	NNW	0.1	None.	+	1.0		Above 10m.
Noon.	.894	.236	82.6	72.0	10.6	66.9	.61	82.1	77.4	NW	0.0					
1 p. m.	.871	.238	83.6	71.6	12.0	65.7	.56	82.7	78.0	NW b W	0.8					
2 „	.853	.201	83.2	72.0	11.2	66.6	.59	82.2	78.2	NW	1.0					
3 „	.847	.180	83.1	72.4	10.7	67.3	.60	82.2	78.4	„	0.7					
4 „	.850	.194	82.2	71.8	10.4	66.8	.61	81.4	78.4	„	0.8					
5 „	.862	.247	79.1	70.0	9.1	64.9	.64	78.9	78.2	„	0.6		+	1.0		Above 10m.
6 „	.879	.265	77.4	69.1	8.3	64.8	.67	77.2	78.1	„	0.4		+	1.0		Above 10m.
7 „	.900	.283	76.8	69.0	7.8	65.0	.68	77.0	77.9	NNW	0.5		+	2.0		7.40
8 „	.916	.263	76.6	70.0	6.6	66.7	.73	76.6	77.8	„	0.4		+	3.0		0.45
9 „	.928	.356	74.6	68.9	7.7	62.7	.68	74.4	77.5	„	0.1		+	10.0		0.11
10 „	.930	.347	74.3	68.8	6.5	63.2	.72	73.6	77.2	N b W	0.1		+	8.0		0.16
11 „	.922	.344	73.0	68.2	5.8	63.0	.75	72.5	77.0	„	0.0		+	8.0		0.41

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—*In recording these Observations, the Symbols used to denote the clouds are:* ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≀ nimbi.	
0	L	Mist around hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Haze along E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless; dew falling.	
0	N	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 83°0.
0	L	" "	
0	L	" "	
0	L	" "	This day was the 19th cloudless day from the beginning of the year.
0	L	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	N	Mist along E hor.	
0	N	" "	
0	N	Mist in hor.	
0	N	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	Haze along E hor.	
0	C	" "	
0	C	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 83°4.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	N	Mist in hor. from N to SSE.	
0	N	" " "	
0	N	Mist around hor.	
0	N	" "	
0	L	A few fragments of clouds above NE and E hor.; mist in hor.	
0	L	" " " " " " "	
0	L	Fragments of fleecy clouds in ESE hor.; mist in hor.	
0	L	" " " " " "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of			Interval of Time in recovering the same degree of tension after discharge.
													Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 4th-Midnight	29.921	29.334	70°6	66°0	4°6	63°4	0.79	71°2	76°6	N b W	0.0		+	10.0		0.04
1 a. m.	.923	.304	70.6	67.0	3.6	65.1	.84	71.2	76.6	„	0.0		+	3.0		0.40
2 „	.909	.302	70.6	66.6	4.0	64.5	.82	71.2	76.4	„	0.0					
3 „	.905	.366	70.4	64.4	6.0	60.9	.73	71.0	76.2	„	0.0					
4 „	.911	.397	68.8	63.0	5.8	59.4	.73	69.4	75.9	„	0.0		+	6.0		1.00
5 „	.925	.326	69.2	65.7	3.5	64.1	.84	69.2	75.8	„	0.0		+	2.0		0.30
6 „	.943	.306	70.4	67.8	3.6	65.9	.84	71.1	75.8	„	0.0		+	2.0		1.10
7 „	.954	.373	69.8	65.5	4.3	63.1	.81	70.8	75.7	„	0.0		+	7.0		0.25
8 „	.981	.326	74.0	69.2	4.8	66.8	.79	74.2	75.7	N	0.0		+	6.0		0.18
9 „	.991	.369	75.8	68.8	7.0	65.2	.71	76.0	76.0	NE	0.1		+	10.0		0.19
10 „	.982	.328	77.2	70.2	7.0	66.7	.71	76.8	76.4	„	0.2					
11 „	.965	.328	78.4	70.1	8.3	65.9	.67	78.2	76.5	„	0.0					
Noon.	.929	.331	79.8	69.4	10.4	64.0	.60	79.2	76.9	„	0.0	None.			None.	
1 p. m.	.900	.293	80.8	70.0	10.8	64.5	.59	79.7	77.2	NW b N	0.1					
2 „	.880	.254	81.6	70.8	10.8	65.4	.60	80.8	77.5	W b N	0.2					
3 „	.872	.246	81.6	70.8	10.8	65.4	.60	80.2	77.6	„	0.2					
4 „	.871	.229	80.8	71.0	9.8	66.2	.63	79.8	77.6	WNW	0.3					
5 „	.895	.209	78.5	71.5	7.0	68.2	.72	78.2	77.6	NW b W	0.2		+	2.0		0.40
6 „	.920	.211	77.3	71.8	5.5	69.2	.77	77.2	77.5	NW	0.2		+	1.0		1.07
7 „	.931	.219	76.4	71.6	4.8	69.3	.80	76.5	77.5	„	0.3		+	3.0		1.10
8 „	.953	.247	76.0	71.3	4.7	69.1	.80	76.0	77.5	„	0.1		+	5.0		0.40
9 „	.960	.252	74.8	71.0	3.8	69.2	.84	75.0	77.2	„	0.0		+	8.0		0.04
10 „	.957	.342	72.8	67.6	5.2	69.2	.77	73.8	77.0	„	0.0		+	1.0		Above 10m.
11 „	.952	.258	74.2	70.4	3.8	64.9	.84	74.2	77.0	NW b N	0.0					
Dec. 5th-Midnight	.936	.276	73.6	69.2	4.4	67.0	.81	74.2	76.9	NNW	0.0					
1 a. m.	.920	.259	72.8	69.0	3.8	67.1	.83	73.4	76.8	„	0.0					
2 „	.914	.262	73.6	69.0	4.6	66.6	.80	74.0	76.7	NE	0.1					
3 „	.905	.272	73.6	68.4	5.2	65.7	.78	73.8	76.6	NE b E	0.0					
4 „	.916	.285	72.0	67.8	4.2	65.6	.82	72.0	76.5	NE b N	0.0		+	3.0		0.25
5 „	.929	.309	70.8	67.1	3.7	65.1	.83	71.5	76.3	„	0.0		+	1.0		0.20
6 „	.946	.315	69.8	67.1	2.7	65.6	.87	70.2	76.1	„	0.0					
7 „	.969	.328	71.6	68.0	3.6	66.1	.84	72.4	76.0	„	0.0					
8 „	30.000	.356	74.4	69.0	5.4	66.3	.77	74.2	76.3	„	0.1		+	2.0		2.05
9 „	.009	.351	76.2	70.0	6.2	66.9	.74	76.2	76.4	„	0.2		+	4.0		0.48
10 „	.004	.388	77.6	69.2	8.4	64.9	.67	77.0	76.5	NE	0.1		+	1.0		Above 10m.
11 „	29.998	.441	79.6	67.8	11.8	61.3	.56	80.0	76.8	„	0.1					
Noon.	.960	.414	81.8	68.5	13.3	61.3	.52	81.8	77.3	SW	0.0	None.	+	4.0	None.	0.39
1 p. m.	.935	.337	82.5	70.3	12.2	64.0	.55	81.4	77.7	W	0.1					
2 „	.917	.317	82.7	70.4	12.3	64.1	.55	81.7	77.9	W b N	0.2		+	1.0		Above 10m.
3 „	.908	.307	83.1	70.6	12.5	64.2	.55	82.0	78.1	W	0.1		+	1.0		Above 10m.
4 „	.909	.340	82.4	69.4	13.0	62.5	.53	81.2	78.1	„	0.3		+	1.0		Above 10m.
5 „	.912	.281	79.3	70.2	9.1	65.6	.64	78.9	78.0	„	0.2					
6 „	.925	.285	77.8	70.0	7.8	66.1	.69	77.9	77.8	W b N	0.1					
7 „	.946	.308	77.3	69.8	7.5	66.0	.70	77.2	77.7	NW	0.0					
8 „	.971	.347	76.2	69.0	7.2	65.3	.70	76.2	77.6	NNW	0.1					
9 „	.983	.321	74.6	69.4	5.0	67.1	.79	74.8	77.4	„	0.0		+	12.0		0.05
10 „	.989	.344	74.0	68.8	5.2	66.3	.78	74.2	77.0	N b W	0.0					
11 „	.984	.347	73.2	68.4	4.8	65.9	.79	74.0	77.0	„	0.0		+	1.0		Above 10m.
Dec. 6th-Midnight	.917	.363	71.6	67.0	4.6	64.5	.80	72.2	76.8	N b W	0.0					
1 a. m.	.963	.318	71.8	68.2	3.6	66.3	.84	72.4	76.6	„	0.0					
2 „	.953	.316	70.8	67.6	3.2	65.9	.86	71.4	76.5	„	0.0					
3 „	.960	.352	71.6	67.0	4.6	64.5	.80	72.0	76.4	N b E	0.0					
4 „	.962	.375	71.2	66.2	5.0	63.4	.78	71.7	76.2	NNE	0.0					
5 „	.968	.340	77.6	67.6	4.0	65.5	.82	72.2	76.1	NE	0.1					
6 „	.985	.409	71.6	66.0	5.6	62.9	.75	72.2	76.1	„	0.0	None.	None.	None.	None.	None.
7 „	30.010	.463	72.2	65.3	6.9	61.3	.70	72.9	76.0	NE b E	0.1					
8 „	.039	.503	75.3	66.0	9.3	60.7	.62	74.9	76.2	E b N	0.1					
9 „	.054	.488	77.2	67.6	9.6	62.3	.62	77.2	76.4	„	0.1					
10 „	.039	.459	79.0	68.6	10.4	63.1	.60	78.8	76.7	ENE	0.1					
11 „	.015	.429	80.2	69.2	11.0	63.4	.58	79.8	77.0	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒∿ cumuli; ⌒∿ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°9 and 82°9.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	A few ∿ about E hor.	
0	C	Mist around hor.	
0	N	Mist in hor. from N to SSE.	
0	N	" " "	
0	N	" " "	
0	N	" " "	
0	N	A few clouds in hor. from E to SSE.	
0	L	A few patches of clouds in hor. from NNE to ESE; mist in hor.	
1	L	Fleecy clouds scattered about E hor.; mist in hor.	
1	L	" " " " " "	
1	L	" " " " " "	
0	C	" " " " " "	
0	C	Clear, except in hor.	
0	C	" " "	
0	C	" " "	
0	N	" " "	
0	N	" " "	
2	N	Fleecy clouds scattered here and there.	
1	N	Fragments of fleecy clouds scattered in E and SE, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°7 and 82°9.
0	L	A few patches of clouds scattered here and there.	The Range of Wet Bulb Thermometer was 3.5, the lowest during the month; the direction of Wind was abnormal.
0	L	Clear.	
0	L	"	
0	C	"	
0	C	Mist in hor. from W to E.	
0	C	" " "	
0	C	" " "	
0	N	Light mist along E hor.	
0	N	" " "	
0	N	" " "	
0	N	A few patches of clouds above NE and E hor.	
0	L	A few patches of clouds along E hor.	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	C	" " " "	
0	C	Clear.	
0	C	"	
0	C	"	
0	N	"	
0	N	A few fragments of fleecy clouds in W, moving N.	
0	N	" " " " " "	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°9.
0	L	"	At 9 A. M., the height of Barometer was 33.054, being about 0.067 higher than the Normal Mean. The force of Wind was greater than 1 lb. in the afternoon.
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	Light mist along E hor.	
0	C	" " "	
0	N	" " "	
0	N	" " "	
0	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 6th–Noon.	29.988	29.534	83°2	66°2	17°0	55°7	0.41	83°2	77°5	NE	0.1					
1 p. m.	.955	.301	85.0	72.6	12.4	66.7	.56	83.5	78.0	NNW	0.2		+	6.0		4.00
2 „	.938	.344	81.9	70.0	11.9	63.8	.56	81.0	78.0	NW	0.6		+	1.0		Above 10m.
3 „	.928	.328	81.6	70.1	11.5	64.1	.57	80.7	78.0	„	0.6		+	1.0		Above 10m.
4 „	.930	.300	80.6	70.6	10.0	65.6	.62	80.0	78.0	„	0.7		+	1.0		Above 10m.
5 „	.949	.295	78.4	70.6	7.8	66.7	.69	78.2	77.9	„	0.6	None.	+	2.0	None.	1.00
6 „	.955	.306	77.0	70.0	7.0	66.5	.71	77.0	77.7	„	0.6		+	7.0		0.30
7 „	.978	.306	76.8	70.6	6.2	67.6	.74	76.6	77.6	„	0.6		+	9.0		0.15
8 „	.986	.417	76.4	67.4	9.0	62.5	.64	76.4	77.6	NNW	0.8		+	4.0		Above 10m.
9 „	.988	.420	75.3	67.0	8.3	62.5	.66	75.2	77.4	„	0.4		+	2.0		Above 10m.
10 „	.994	.513	73.4	63.6	9.8	57.5	.69	73.7	77.1	N	0.1		+	2.0		Above 10m.
11 „	.981	.465	71.4	64.0	7.0	59.6	.68	72.2	76.7	„	0.0		+	4.0		Above 10m.
Dec. 8th–Midnight	.962	.523	71.8	61.6	10.2	54.7	.57	72.2	76.2	N	0.4		+	6.0		Above 10m.
1 a. m.	.952	.507	71.0	61.5	9.5	55.2	.59	71.4	76.1	„	0.2		+	3.0		Above 10m.
2 „	.950	.531	70.4	60.4	10.0	53.4	.57	70.8	75.9	„	0.2		+	6.0		Above 10m.
3 „	.945	.566	70.4	59.0	11.4	50.4	.51	70.8	75.6	N b E	0.4		+	4.0		Above 10m.
4 „	.950	.553	70.8	59.8	11.0	51.8	.53	71.0	75.4	NE b N	0.3		+	4.0		Above 10m.
5 „	.962	.513	70.4	61.4	9.0	55.4	.61	70.8	75.3	NE	0.4		+	5.0		Above 10m.
6 „	.981	.522	70.2	61.7	8.5	56.1	.63	70.4	75.2	„	0.3		+	8.0		7.40
7 „	30.004	.546	69.9	61.5	8.4	56.0	.63	70.1	75.0	„	0.3		+	7.0		Above 10m.
8 „	.034	.574	71.9	62.3	9.6	56.1	.59	71.8	75.0	„	0.3		+	5.0		Above 10m.
9 „	.051	.622	73.8	62.0	11.8	54.1	.52	73.8	75.1	ENE	0.3		+	6.0		2.15
10 „	.036	.603	75.6	62.8	12.8	54.3	.50	75.2	75.3	„	0.2		+	6.0		1.17
11 „	.011	.570	77.6	63.8	13.8	54.9	.48	77.2	75.5	NE b E	0.1	None.	+	4.0		1.34
Noon.	29.968	.612	79.2	61.6	17.6	48.6	.36	78.4	76.0	ENE	0.0		+	2.0		Above 10m.
1 p. m.	.945	.502	80.7	65.0	15.7	55.0	.43	80.2	76.3	NE	0.1		+	3.0		Above 10m.
2 „	.923	.482	82.0	65.4	16.6	54.9	.42	81.2	76.6	W	0.3		+	6.0		Above 10m.
3 „	.911	.454	81.2	65.6	15.6	55.9	.44	80.0	76.7	WNW	0.3		+	4.0		Above 10m.
4 „	.916	.421	79.3	66.1	13.2	58.3	.50	78.4	76.8	NW	0.6		+	4.0		Above 10m.
5 „	.920	.443	76.0	64.7	11.3	57.8	.55	75.4	76.5	„	0.6		+	7.0		Above 10m.
6 „	.950	.415	74.8	65.8	9.0	60.6	.63	74.8	76.2	„	0.8		+	5.0		5.25
7 „	.976	.393	74.8	67.0	7.8	62.7	.68	74.7	76.2	„	1.0		+	9.0		1.05
8 „	.990	.415	73.7	66.7	7.0	62.8	.70	73.5	76.2	NW b N	0.5		+	16.0	10.0	0.10
9 „	.992	.504	71.2	63.0	8.2	57.9	.65	71.6	75.5	N b W	0.3		+	Out of Sc.	40.0	0.04
10 „	.989	.456	69.8	64.0	5.8	60.5	.74	70.2	75.5	„	0.0		+	Out of Sc.	50.0	0.20
11 „	.975	.548	69.2	60.2	9.0	54.0	.60	70.2	75.2	„	0.0		+	12.0		
Dec. 9th–Midnight	.962	.557	70.6	60.0	10.6	52.4	.55	71.0	75.0	N b E	0.2		+	10.0		2.00
1 a. m.	.952	.503	70.4	61.4	9.0	55.4	.61	70.2	75.1	NNE	0.1		+	8.0		Above 10m.
2 „	.935	.503	67.6	59.8	7.8	54.3	.64	67.2	74.7	„	0.1		+	10.0		Above 10m.
3 „	.923	.568	65.1	56.0	9.1	48.5	.57	65.4	74.1	„	0.2		+	4.0		Above 10m.
4 „	.917	.576	64.0	55.0	9.0	47.3	.57	64.4	73.6	N	0.1		+	3.0		Above 10m.
5 „	.935	.592	63.8	55.0	8.8	47.5	.58	64.3	73.3	„	0.1		+	4.0		Above 10m.
6 „	.955	.603	63.0	55.0	8.0	48.2	.61	63.7	73.0	„	0.1		+	4.0		Above 10m.
7 „	.979	.567	64.2	57.7	6.5	52.9	.68	64.8	72.8	„	0.0		+	10.0		Above 10m.
8 „	30.015	.634	70.2	59.0	11.2	50.6	.52	70.2	73.2	„	0.1		+	9.0		Above 10m.
9 „	.024	.616	73.0	61.0	12.0	52.6	.51	72.2	73.5	NE	0.1		+	6.0		1.30
10 „	.017	.633	75.2	61.0	14.2	50.8	.45	75.2	73.8	NNE	0.1		+	4.0		Above 10m.
11 „	29.997	.623	77.6	61.6	16.0	50.0	.41	77.8	74.3	„	0.1		+	2.0		Above 10m.
Noon.	.963	.663	80.0	60.0	20.0	46.6	.30	79.8	74.7	„	0.1		+	4.0		Above 10m.
1 p. m.	.921	.617	81.5	60.7	20.8	44.0	.29	81.0	75.4	NE b N	0.1					
2 „	.898	.564	83.0	61.6	21.4	44.9	.29	82.4	75.8	NNE	0.1	None.				
3 „	.884	.327	82.8	69.2	13.6	61.9	.51	80.2	75.7	NW b W	0.3		+	1.0		Above 10m.
4 „	.886	.291	80.0	69.4	10.6	63.9	.60	78.4	75.9	NW	0.4		+	4.0		Above 10m.
5 „	.892	.274	76.7	69.0	7.7	65.0	.69	76.2	75.8	NW b N	0.1		+	6.0		Above 10m.
6 „	.903	.299	75.0	68.0	7.0	64.3	.71	75.1	75.7	„	0.1		+	5.0		Above 10m.
7 „	.923	.310	74.2	68.0	6.2	64.8	.73	74.2	75.6	NNW	0.1		+	10.0		3.25
8 „	.947	.411	72.4	65.0	7.4	60.7	.68	72.2	75.4	„	0.1		+	Out of Sc.	40.0	1.05
9 „	.954	.567	70.8	59.8	11.0	51.8	.53	71.2	75.0	N	0.0		+	4.0		Above 10m.
10 „	.951	.570	70.6	59.2	11.4	50.6	.52	71.0	74.8	N b E	0.1		+	6.0		Above 10m.
11 „	.941	.540	71.0	60.0	11.0	52.1	.53	71.2	74.6	„	0.2		+	8.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌒⌣i nimbi.	
0	N	Light mist along E hor.	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
2	L	Light ⌐i scattered about.	
0	L	A few light ⌐i in SW.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	N	Clear.	Mean daily Temperance of Ground 20 and 60 inches below its surface 79°3 and 82°8. The Range of Barometer was 0.140, the greatest during the month.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	A few clouds about E and SE hor.	
0	C	Mist in hor.	
0	C	" "	
0	N	Mist along E hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	" "	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°1 and 82°8. At 6 A. M. the Temperature of External Air was 63.0, the lowest during the month, being about 7° lower than the Normal Mean; The Range of Temperature of External Air was 20.0, the greatest during the month; at 4 A. M. the Temperature of Wet Bulb Thermometer was 55.0, the lowest during the month, being about 12.0 lower than the Normal Mean for that hour. The Range of Barometer was 0.140 the same as on the 8th instant.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	A few patches of clouds about E hor.	
0	C	Mist in hor.	
0	C	Clear.	
0	N	"	
0	N	Light mist in E, SE, and S hor.	
0	N	" " " "	
0	N	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	Light mist along E hor.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	Clear; gusts of winds blowing occasionally.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 10th-Midnight	29.926	29.536	72°6	60°2	12°4	51°3	0.50	72°3	74°6	NNE	0.5		+	10.0		Above 10m.
1 a. m.	.911	.525	72.4	60.0	12.4	51.0	.49	72.2	74.0	NE b N	0.6		+	6.0		Above 10m.
2 „	.904	.492	71.6	60.6	11.0	52.9	.54	71.4	74.6	„	0.3		+	6.0		Above 10m.
3 „	.909	.479	71.0	61.0	10.0	54.1	.57	70.7	74.4	„	0.5		+	5.0		Above 10m.
4 „	.911	.440	70.0	62.0	8.0	56.8	.65	69.8	74.2	„	0.3		+	5.0		Above 10m.
5 „	.920	.453	69.8	61.8	8.0	56.6	.65	69.8	74.2	„	0.1		+	5.0		Above 10m.
6 „	.932	.452	69.4	62.0	7.4	57.4	.68	69.4	74.1	„	0.1		+	5.0		Above 10m.
7 „	.961	.468	70.2	62.8	7.4	58.2	.65	70.4	74.0	„	0.1		+	9.0		Above 10m.
8 „	.985	.487	73.0	64.0	9.0	58.5	.62	72.8	74.2	„	0.1		+	3.0		Above 10m.
9 „	30.000	.497	75.4	65.0	10.4	58.8	.58	74.8	74.5	„	0.3		+	8.0		Above 10m.
10 „	29.992	.512	78.0	65.2	12.8	54.1	.51	78.0	74.9	„	0.3		+	3.0		Above 10m.
11 „	.977	.505	81.0	66.0	15.0	56.9	.46	81.0	75.3	„	0.4		+	4.0		Above 10m.
Noon.	.949	.412	84.0	69.0	15.0	60.8	.47	83.8	76.1	„	0.2	None.	+	4.0	None.	Above 10m.
1 p. m.	.906	.329	86.6	71.0	15.6	62.9	.47	85.3	76.9	NNE	0.1					
2 „	.880	.289	87.7	71.7	16.0	63.7	.47	85.8	77.4	„	0.0					
3 „	.870	.153	85.4	74.4	11.0	69.7	.60	85.4	77.5	NW b W.	0.1		+	1.0		Above 10m.
4 „	.867	.113	83.4	74.8	8.6	71.1	.68	82.2	77.5	„	0.2					
5 „	.870	.138	79.3	73.0	6.3	70.2	.75	78.7	77.4	NW	0.2					
6 „	.889	.132	77.0	73.0	4.0	71.2	.83	77.0	77.1	„	0.1					
7 „	.907	.142	76.2	73.0	3.2	71.6	.86	76.2	77.0	„	0.1					
8 „	.928	.178	75.6	72.4	3.2	71.0	.86	75.9	77.0	„	0.0					
9 „	.938	.255	74.6	70.2	4.4	68.1	.81	74.8	76.6	„	0.0					
10 „	.936	.312	73.2	68.0	5.2	65.3	.77	73.6	76.5	„	0.0					
11 „	.930	.250	73.5	69.8	3.7	67.9	.84	74.0	76.4	„	0.0					
Dec. 11th-Midnight	.922	.303	73.6	68.0	5.6	65.2	.76	74.0	76.3	NW b N	0.0					
1 a. m.	.912	.402	74.2	64.8	9.4	59.2	.61	74.2	76.3	N b E	0.4		+	3.0		Above 10m.
2 „	.899	.301	74.0	67.5	6.5	64.0	.72	73.8	76.1	NNE	0.3		+	10.0		4.00
3 „	.894	.305	73.6	67.1	6.5	63.5	.72	73.7	76.1	NE b N	0.3		+	3.0		Above 10m.
4 „	.898	.301	73.2	67.2	6.0	64.0	.74	73.2	76.0	„	0.4		+	3.0		Above 10m.
5 „	.909	.283	73.0	68.0	5.0	65.4	.78	72.9	76.0	„	0.3		+	4.0		Above 10m.
6 „	.924	.354	72.0	65.8	6.2	62.6	.73	72.2	75.7	„	0.2		+	4.0		Above 10m.
7 „	.957	.383	72.4	66.2	6.2	62.8	.73	72.7	75.6	NNE	0.1		+	5.0		Above 10m.
8 „	.982	.394	74.7	67.4	7.3	63.5	.69	74.6	75.7	„	0.1		+	4.0		Above 10m.
9 „	.994	.396	78.0	68.8	9.2	64.0	.64	77.4	76.0	„	0.1		+	4.0		Above 10m.
10 „	.987	.392	80.4	69.5	10.9	63.9	.58	80.1	76.5	„	0.1		+	4.0		Above 10m.
11 „	.961	.377	83.2	70.4	12.8	63.8	.54	83.2	77.0	N	0.2					
Noon.	.921	.272	85.4	72.6	12.8	66.5	.55	85.2	77.5	„	0.2	None.	+	1.0	None.	Above 10m
1 p. m.	.886	.253	87.2	72.7	14.5	65.7	.50	86.4	78.1	NNE	0.0					
2 „	.878	.190	86.6	74.0	12.6	68.3	.56	85.0	78.4	„	0.0					
3 „	.872	.132	85.4	75.0	10.4	70.5	.62	84.5	78.5	E	0.1					
4 „	.873	.079	84.0	76.0	8.0	72.8	.70	83.2	78.6	E b S	0.1					
5 „	.888	.095	81.3	75.2	6.1	72.7	.76	81.1	78.5	ESE	0.1		+	1.0		Above 10m.
6 „	.907	.154	79.0	73.5	5.5	71.1	.78	79.0	78.3	NW b N	0.1					
7 „	.930	.207	78.0	72.4	5.6	71.1	.77	78.3	78.2	„	0.1		+	10.0		Above 10m.
8 „	.936	.190	78.0	73.0	5.0	70.8	.79	78.0	78.2	„	0.1					
9 „	.946	.151	77.6	74.2	3.4	72.8	.86	78.0	78.0	„	0.1		+	1.0		Above 10m.
10 „	.947	.146	77.4	74.4	3.0	73.0	.87	77.8	78.0	„	0.0		+	4.0		0.08
11 „	.941	.146	77.0	74.0	3.0	72.8	.87	77.4	78.0	„	0.0		+	8.0		0.03
Dec. 12th-Midnight	.933	.099	76.8	75.0	1.8	74.3	.92	77.2	78.0	NW b N	0.0					
1 a. m.	.915	.154	76.6	73.0	3.6	71.4	.85	77.0	78.0	„	0.0					
2 „	.902	.124	76.4	73.4	3.0	72.1	.87	76.6	77.9	„	0.0					
3 „	.893	.137	75.8	72.6	3.2	71.2	.86	76.2	77.8	„	0.0					
4 „	.899	.165	76.4	72.2	4.2	70.3	.82	76.7	77.8	NNW	0.1					
5 „	.909	.168	76.4	72.4	4.0	70.6	.83	76.9	77.8	„	0.0	None.			None.	
6 „	.923	.174	76.0	72.5	3.5	70.9	.85	76.3	77.8	„	0.0					
7 „	.941	.171	75.8	73.0	2.8	71.3	.88	76.1	77.6	„	0.0					
8 „	.968	.196	78.6	73.9	4.7	71.8	.81	79.2	77.9	„	0.0					
9 „	.982	.187	80.4	75.0	5.4	72.8	.78	80.2	78.0	NNE	0.2		+	4.0		0.24
10 „	.976	.201	82.2	75.0	7.2	72.0	.72	82.2	78.4	„	0.1		+	4.0		0.30
11 „	.955	.202	84.2	75.0	9.2	71.1	.66	83.4	78.7	„	0.1		+	2.0		0.40

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∩ cumulo-strati; and ≤∪ nimbi.	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°8.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	A few patches of clouds in NE, E, and SE hor.; mist along W hor.	
0	C	A few patches of clouds in E; mist along W hor.	
0	C	" " " " "	
0	N	Light ≤ above hor. from NNE to SSE; mist in hor.	
0	N	" " " " "	
0	N	Dense ≤ in NE, E, and SE hor.	
0	N	A few ≤ about E and SE hor.	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	L	" " " "	
0	C	" " " "	
0	C	A few ≤ above S hor.	
0	C	A few patches of clouds in NE, E, and S above hor.	
0	C	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°8.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	A few patches of clouds scattered about hor. from NE to SW.	
0	C	A few patches of clouds along E hor.	
0	C	" " " "	
0	N	" " " "	
0	N	" " " "	
1	N	Dense fleecy clouds scattered from NE to SSE hor.	
2	N	Dense fleecy clouds scattered here and there, moving W.	
2	L	Fleecy clouds scattered about hor. from N to SW; a few ≤ above S & SW hor.	
3	L	Fleecy clouds scattered around hor.; ≤ and ≤≤ above S and SW hor.	
6	L	Fleecy clouds scattered about, moving WSW.	
8	L	Overcast with fleecy clouds, moving W.	
8	C	" " " "	
8	C	" " " "	
8	C	" " " "	
8	C	" " " "	
8	N	Overcast with fleecy clouds, moving NW.	
8	N	" " " "	
8	N	" " " "	
8	N	Overcast with ≤≤-like clouds, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°6. At 1 P. M. the Temperature of Wet Bulb Thermometer was 79.0, being about 7°6 higher than the Normal Mean; it was the highest reading during the month.
8	L	Overcast with ≤≤-like clouds, moving N.	
8	L	" " " "	
8	L	Overcast with ≤≤-like clouds, moving NW.	
8	L	" " " "	
8	C	" " " "	
7	C	≤≤ around hor.; fleecy clouds scattered about, moving W.	
8	C	Overcast with fleecy clouds, moving W.	
8	C	Overcast as before.	
4	N	Fleecy clouds around hor.; ≤≤ in N; a few patches of clouds in SE and S.	
2	N	Fleecy ∩ around hor. from N to S.	
2	N	Fleecy ∩ scattered about hor., moving NW.	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −.	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 12th-Noon.	29.922	29.181	85°3	75°0	10°3	70°6	0.63	84°2	79°0	NNE	0.0					
1 p.m.	.888	28.997	86.2	79.0	7.2	76.3	.73	85.0	79.4	W b S	0.1		+	11.0		0.02
2 „	.874	.993	85.6	78.6	7.0	76.0	.74	84.2	79.5	W b N	0.1		+	1.0		Above 10m.
3 „	.868	29.027	84.8	77.4	7.4	74.5	.72	84.2	79.6	W	0.2		+	1.0		Above 10m.
4 „	.876	.036	83.4	77.0	6.4	74.5	.75	82.6	79.6	W b N	0.1					
5 „	.882	.046	81.6	76.4	5.2	74.3	.80	81.0	79.6	NW b W	0.1					
6 „	.905	.103	79.0	74.8	4.2	73.0	.87	79.1	79.3	NW b N	0.1	None.			None.	
7 „	.928	.147	78.2	74.0	4.2	72.2	.83	78.8	79.2	„	0.1					
8 „	.942	.161	78.2	74.0	4.2	72.2	.83	78.8	79.1	„	0.1					
9 „	.953	.189	78.0	73.5	4.5	71.5	.81	78.4	79.0	„	0.0		+	2.0		0.29
10 „	.953	.204	77.7	73.0	4.7	70.9	.81	78.2	78.8	„	0.0		+	2.0		0.08
11 „	.950	.194	76.4	72.8	3.6	71.2	.85	76.8	78.5	„	0.0		+	2.0		0.10
Dec. 13th-Midnight	.941	.198	75.6	72.2	3.4	70.7	.85	76.0	78.4	NW b N	0.0		+	1.0		0.06
1 a.m.	.931	.208	75.0	71.5	3.5	69.8	.85	75.4	78.3	„	0.0					
2 „	.920	.214	75.0	71.0	4.0	69.1	.83	75.4	78.2	„	0.0					
3 „	.915	.179	74.9	71.8	3.1	70.4	.87	75.3	78.1	„	0.0					
4 „	.912	.135	74.4	72.8	1.6	72.0	.93	75.0	78.0	„	0.0					
5 „	.922	.141	74.8	73.0	1.8	72.2	.92	75.1	78.0	„	0.0					
6 „	.941	.162	75.0	73.0	2.0	72.1	.91	75.2	78.0	N	0.0					
7 „	.964	.164	75.1	73.6	1.5	73.0	.93	75.4	77.8	NE	0.1					
8 „	.988	.162	77.5	75.0	2.5	74.0	.89	77.6	78.0	NE b E	0.1					
9 „	30.012	.184	79.9	75.7	4.2	74.0	.83	79.8	78.3	E b N	0.2					
10 „	.014	.229	81.3	75.0	6.3	72.4	.75	81.2	78.5	„	0.2					
11 „	29.994	.217	82.4	75.1	7.3	72.0	.72	82.1	78.8	ENE	0.2	None.			None.	
Noon.	.963	.122	84.0	77.2	6.8	74.5	.74	83.0	79.0	W	0.1					
1 p.m.	.940	.085	84.0	77.8	6.2	75.4	.76	83.4	79.4	W b S	0.1					
2 „	.922	.030	84.6	78.6	6.0	76.4	.77	84.0	79.6	„	0.1					
3 „	.922	.010	84.3	79.0	5.3	77.1	.80	83.3	79.8	WSW	0.1					
4 „	.916	.027	84.0	78.4	5.6	76.3	.78	83.2	80.0	„						
5 „	.935	.068	80.9	77.0	3.9	75.5	.84	80.8	79.5	„						
6 „	.958	.096	79.2	76.4	2.8	75.3	.88	79.4	79.4	WNW						
7 „	.970	.132	78.6	75.6	3.0	74.4	.88	79.0	79.4	NW			+	4.0		0.05
8 „	.989	.198	77.9	74.2	3.7	72.6	.85	78.4	79.3	„			+	4.0		0.11
9 „	30.001	.214	77.6	74.0	3.6	72.5	.85	78.2	79.1	NNW						
10 „	.981	.187	77.0	74.0	3.0	72.8	.88	77.4	79.0	„						
11 „	.977	.203	76.8	73.4	3.4	71.9	.85	77.2	78.8	„						
Dec. 15th-Midnight	29.915	.113	75.0	73.6	1.4	73.0	.94	75.4	78.5	NW	0.0					
1 a.m.	.893	.079	75.2	74.0	1.2	73.5	.95	75.4	78.5	„	0.0					
2 „	.892	.086	74.6	73.6	1.0	73.2	.96	75.0	78.4	„	0.0					
3 „	.881	.130	74.8	72.2	2.6	71.0	.89	75.7	78.2	WNW	0.2					
4 „	.876	.156	74.4	71.2	3.2	69.7	.86	75.0	78.1	NW b W	0.0					
5 „	.890	.202	72.8	69.8	3.0	68.3	.87	73.7	78.0	„	0.0					
6 „	.900	.242	71.6	68.5	3.1	66.9	.86	72.9	77.7	„	0.0					
7 „	.927	.187	72.6	71.2	1.4	70.5	.94	74.0	77.5	„	0.0					
8 „	.951	.204	76.2	72.5	3.7	70.8	.84	76.2	77.8	„	0.0					
9 „	.966	.255	77.8	72.0	5.8	69.3	.76	78.0	78.0	„	0.0					
10 „	.963	.269	80.0	72.2	7.8	68.6	.69	80.0	78.2	„	0.1					
11 „	.943	.230	80.0	72.7	7.3	69.4	.72	80.0	78.3	„	0.2					
Noon.	.917	.169	81.2	74.0	7.2	70.9	.72	80.4	78.5	W	0.3	None.			None.	
1 p.m.	.887	.133	82.0	74.4	7.6	71.1	.71	81.5	78.8	NW	0.3					
2 „	.884	.114	82.4	74.4	8.0	71.0	.69	81.8	79.0	„	0.5					
3 „	.855	.126	81.6	73.6	8.0	70.1	.69	81.0	79.0	„	0.6					
4 „	.856	.216	80.0	71.0	10.0	66.1	.62	80.5	79.0	NW b N	0.7					
5 „	.867	.213	78.2	70.5	7.9	66.7	.69	78.3	78.8	„	0.4					
6 „	.889	.261	77.0	69.4	7.6	65.5	.69	77.1	78.5	„	0.3					
7 „	.914	.240	76.8	70.7	6.1	67.7	.75	76.8	78.4	„	0.4					
8 „	.926	.320	76.0	68.4	7.6	74.4	.69	75.9	78.3	„	0.4					
9 „	.941	.355	74.2	67.2	7.0	63.4	.70	74.4	78.0	„	0.2		+	2.0		0.43
10 „	.939	.355	72.0	66.4	5.6	63.3	.76	72.3	77.5	NNW	0.0		+	10.0		0.11
11 „	.926	.395	70.6	64.2	6.4	60.4	.72	72.0	77.0	„	0.0		+	6.0		0.18

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
2	N	Fleecy ⌒i scattered about hor., moving NW.	
3	L	Fleecy ⌒i scattered about.	
5	L	" " "	
4	L	Fleecy clouds scattered about, moving W.	
7	L	Nearly overcast with fleecy clouds, moving W.	
7	C	" " " " "	
4	C	Fleecy clouds scattered about.	
5	C	Fleecy clouds scattered about, moving W.	
7	C	Fleecy clouds scattered about, moving NW.	
8	N	Overcast with ⌒⌒i, moving NNW.	
8	N	" " " "	
8	N	Overcast; a break in NE.	
3	N	⌒⌒i scattered around hor., moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°4.
1	L	⌒⌒i and ⌒i scattered around hor.	
2	L	⌒⌒i scattered in W hem. and WNW; fleecy ⌒i along E hor.	
0	L	A few patches of clouds along E hor.	At 3 P. M. the Temperature of Wet Bulb Thermometer was 79.0, being about 6.3 higher than the Normal Mean. The Wind blew abnormally on this day.
0	L	" " " "	
0	C	A few patches of clouds above W hor.	
0	C	A few patches of clouds about E hor.	
0	C	" " " "	
0	C	" " " "	On the 14th December after midnight it became overcast with ⌒⌒i, the wind was rather calm, and it rained a little; the amount of rain was 0.12 in.
0	N	" " " "	
0	N	" " " "	
0	N	" " " "	
1	N	Fleecy ⌒i along hor. from NNE to SSE.	
2	L	⌒i and fleecy ⌒i scattered about E hor.	
2	L	" " " " "	
2	L	" " " " "	
2	L	" " " " "	
2	N	Electrical ⌒i in E and NE; fleecy ⌒i in remainder of hor., except in W and SW.	
8	N	Nearly overcast with ⌒⌒i and fleecy clouds, moving NNW; lightning in E at intervals of 1m. & 50s.	
4	N	⌒⌒i scattered about, moving NNW; lightning in NE.	
3	N	⌒⌒i scattered about, moving NNW; no lightning.	
5	N	" " " " " "	
1	N	Light ⌒⌒i scattered here and there, moving NW.	
4	N	⌒⌒i scattered about, moving NW.	
7	N	Nearly overcast with ⌒⌒i, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°8 and 82°4.
2	L	⌒⌒i scattered here and there, moving N.	
2	L	⌒⌒i scattered here and there, moving NNE.	
1	L	⌒⌒i scattered about E hor.	
1	L	" " "	
1	C	" " "	
2	C	" " " ; ⌒i around W hor.	
2	C	Fleecy ⌒i scattered about, moving W.	
3	C	Clouded as before; mist along W hor.	
6	N	⌒i scattered about; mist along W hor.	
5	N	⌒i scattered about; mist in hor.	
5	N	⌒i scattered about; a few patches of fleecy clouds in E above hor.	
5	N	" " " " " " " "	
5	L	Fleecy ⌒i along E hor.; ⌒i scattered about; hazy.	
5	L	⌒i scattered in N hem.; fleecy ⌒i along E hor.	
5	L	" " " " "	
5	L	" " " " "	
5	C	" " " " "	
0	C	A few patches of clouds in W; otherwise clear.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 16th-Midnight	29.914	29.295	72°4	67°6	4°8	65°2	0.79	72°3	77°0	NNW	0.0					
1 a. m.	.897	.299	71.4	66.6	4.8	64.0	.79	71.8	77.0	„	0.0					
2 „	.880	.284	70.1	66.1	4.0	63.9	.82	70.7	76.6	„	0.0					
3 „	.869	.400	68.6	61.4	7.2	56.7	.68	69.7	76.4	„	0.0					
4 „	.879	.374	68.0	62.4	5.6	58.9	.74	69.2	76.1	„	0.0					
5 „	.893	.387	67.9	62.4	5.5	59.0	.75	68.6	75.8	„	0.0		+	1.0		Above 10m.
6 „	.915	.436	66.6	61.0	5.6	57.3	.74	67.4	75.5	„	0.0					
7 „	.938	.407	67.8	63.2	4.6	60.4	.79	69.0	75.3	„	0.0		+	2.0		2.10
8 „	.956	.499	70.4	61.7	8.7	55.9	.62	71.0	75.4	„	0.0					
9 „	.963	.392	75.0	67.0	8.0	62.6	.67	74.4	75.6	„	0.0					
10 „	.959	.433	76.2	66.0	10.2	60.1	.59	76.0	76.0	N	0.1					
11 „	.940	.421	77.4	66.2	11.2	59.7	.56	76.8	76.5	„	0.2					
Noon.	.903	.312	79.2	69.0	10.2	63.7	.61	78.8	76.5	NW b N	0.3	None.	+	1.0	None.	Above 10m.
1 p. m.	.872	.258	80.2	70.0	10.2	64.8	.61	79.8	76.8	„	0.4					
2 „	.857	.254	80.2	69.7	10.5	64.3	.60	79.6	77.0	N	0.5					
3 „	.853	.240	79.6	69.8	9.8	64.8	.62	79.4	77.1	„	0.4					
4 „	.860	.248	79.4	69.7	9.7	64.7	.62	78.8	77.2	„	0.5					
5 „	.866	.209	76.3	70.0	6.3	66.9	.74	76.2	77.0	„	0.3					
6 „	.884	.230	74.4	69.3	5.1	66.7	.78	74.8	76.7	NW b N	0.2					
7 „	.906	.257	73.9	69.0	4.9	66.5	.79	74.2	76.7	NNW	0.2		+	2.0		7.40
8 „	.910	.341	72.8	66.2	6.6	62.5	.72	73.2	76.5	„	0.0		+	2.0		Above 10m.
9 „	.906	.333	71.3	63.8	5.5	62.7	.76	72.0	76.0	„	0.0		+	2.0		Above 10m.
10 „	.905	.341	70.0	65.0	5.0	62.1	.77	71.2	75.8	„	0.0		+	6.0		0.54
11 „	.896	.350	69.2	64.2	5.0	61.3	.77	69.4	75.5	„	0.0		+	2.0		Above 10m.
Dec. 17th-Midnight	.880	.338	68.4	63.6	4.8	61.0	.78	69.2	75.4	NNW	0.0		+	2.0		Above 10m.
1 a. m.	.865	.338	68.2	63.2	5.0	60.2	.77	68.8	75.2	„	0.0		+	2.0		Above 10m.
2 „	.852	.317	68.0	63.4	4.6	60.6	.82	68.7	75.0	„	0.0		+	2.0		Above 10m.
3 „	.848	.261	68.6	65.3	3.3	63.4	.85	69.2	74.9	„	0.0		+	3.0		Above 10m.
4 „	.854	.251	69.2	66.0	3.2	64.3	.85	69.8	74.9	„	0.0		+	2.0		Above 10m.
5 „	.866	.261	69.0	66.0	3.0	64.4	.86	69.5	74.9	„	0.0		+	26.0	20.0	0.50
6 „	.882	.265	69.4	66.5	2.9	65.0	.87	70.2	74.8	N b E	0.1					
7 „	.902	.307	69.6	65.9	3.7	63.9	.83	70.6	74.7	NE b N	0.0					
8 „	.942	.329	72.4	67.4	5.0	64.8	.78	72.7	75.0	„	0.0					
9 „	.951	.305	74.2	69.0	5.2	66.4	.78	74.2	75.0	„	0.1		+	2.0		Above 10m.
10 „	.952	.310	75.8	69.4	6.4	66.2	.73	73.8	75.3	„	0.0		+	2.0		Above 10m.
11 „	.930	.332	78.0	68.8	9.2	64.0	.64	78.1	75.6	„	0.1					
Noon.	.900	.262	81.8	71.2	10.6	66.0	.60	81.4	76.3	„	0.1	None.				
1 p. m.	.868	.152	82.8	73.6	9.2	69.5	.65	81.4	76.7	NW b N	0.1					
2 „	.843	.124	81.8	73.4	8.4	69.7	.68	81.0	76.9	W	0.1		+	1.0		Above 10m.
3 „	.840	.094	82.0	74.2	7.8	70.8	.70	82.2	77.1	W b N	0.1					
4 „	.839	.098	81.2	73.8	7.4	70.6	.71	80.6	77.2	„	0.2					
5 „	.845	.074	78.4	73.8	4.6	71.8	.81	78.2	77.2	WNW	0.1		+	6.0		1.30
6 „	.856	.095	76.6	73.0	3.6	71.4	.85	76.8	77.1	NW b W	0.1		+	10.0		2.45
7 „	.875	.127	75.8	72.4	3.4	70.9	.86	76.2	77.0	NW	0.1		+	9.0		2.10
8 „	.890	.150	75.2	72.0	3.2	70.6	.86	75.5	76.9	„	0.1		+	11.0		0.37
9 „	.893	.190	73.5	70.5	3.0	69.0	.87	74.1	76.5	„	0.1		+	4.0		0.24
10 „	.890	.202	72.8	69.8	3.0	68.3	.87	73.8	76.5	„	0.1		+	10.0		0.05
11 „	.885	.244	71.6	68.0	3.6	66.1	.84	72.6	76.3	„	0.1		+	4.0		0.36
Dec. 18th-Midnight	.874	.237	70.6	67.6	3.0	66.0	.86	71.8	76.0	NW	0.0		+	4.0		0.26
1 a. m.	.867	.117	73.0	71.6	1.4	71.0	.94	73.4	76.2	„	0.0					
2 „	.855	.151	72.0	70.0	2.0	69.0	.91	72.7	76.1	„	0.0					
3 „	.848	.133	71.0	70.0	1.0	69.5	.95	71.8	76.0	„	0.0					
4 „	.856	.153	70.2	69.4	0.8	69.0	.96	71.4	75.9	NW b N	0.0					
5 „	.873	.216	70.2	68.0	2.2	66.9	.90	70.9	75.7	„	0.0					
6 „	.893	.227	69.4	68.0	1.4	67.4	.93	70.2	75.4	„	0.0					
7 „	.917	.225	70.9	69.3	1.6	68.5	.93	71.5	75.5	NNW	0.0	None.			None.	
8 „	.943	.261	74.0	70.0	4.0	68.0	.93	74.2	75.7	„	0.0					
9 „	.959	.257	76.0	71.2	4.8	68.9	.80	76.2	75.8	NE	0.1					
10 „	.955	.229	77.8	72.4	5.4	69.9	.78	78.2	76.1	„	0.0					
11 „	.937	.256	80.5	72.0	8.5	68.0	.67	80.2	76.5	„	0.0		+	2.0		0.18

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ≀⌒ nimbi.	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°7 and 82°3.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
1	C	A few patches of fleecy clouds about E hor.	At 6 A. M. the Temperature of Wet Bulb Thermometer was 61.0, being about 5° lower than the Normal Mean for that hour.
1	C	A few patches of clouds in E; fog along E hor.	
1	C	" " " " "	
0	N	A few ∿ in E and SE.	
0	N	" " "	
0	N	" " "	
3	N	Light ∿ scattered in hem.	
7	L	∿ scattered throughout; a few patches of fleecy ⌒ around hor.	
6	L	Light ∿ scattered about; a few patches of fleecy ⌒ around hor.	
7	L	" " " " " " "	
7	L	" " " " " " "	
6	C	" " " " " " "	
2	C	Light ∿ scattered about hor. from S to N.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°7 and 82°3.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
1	C	Fleecy ⌒ in E and SW, moving W.	At 4 P. M. the Height of Standard Barometer was 29.839, the lowest during the month, being about 0.050 lower than the Normal Mean for that hour.
3	C	Fragments of fleecy ⌒ scattered about, moving W; mist along W hor.	
3	C	Fleecy ⌒ scattered in N hem.; mist in hor.	
1	N	Patches of fleecy clouds in W and NW; mist in hor.	
1	N	" " " " " "	
0	N	Patches of fleecy clouds in SE; mist in hor.	
0	N	Patches of fleecy clouds about E hor.; mist in NW and N hor.	
0	L	" " " " " " "	
1	L	Fleecy ⌒ scattered in NE, E, and SE; haze along E hor.	
1	L	" " " " " " "	
1	L	" " " " " " "	
1	C	A few patches of clouds around hor.	
0	C	Mist in hor.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°1 and 82°0.
0	L	"	
0	L	Clear, with dew falling.	
0	L	" " "	
0	L	" " "	
0	C	Clear.	
2	C	Fleecy clouds scattered around hor., except in SE, moving E.	
4	C	Fleecy clouds scattered about, moving E; mist in hor.	
5	C	" " " " " "	
0	N	Mist in hor., except in S.	
0	N	" " "	
0	N	Fleecy ⌒ along SE hor.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 18th–Noon.	29.904	.135	82°1	74°8	7°3	71°7	0.72	81°4	77°0	N b E	0.1					
1 p. m.	.876	.133	81.6	74.0	7.6	70.7	.71	80.8	77.3	N b W	0.1					
2 „	.858	.104	82.0	74.4	7.6	71.1	.71	81.4	77.5	NNW	0.1					
3 „	.852	.075	82.0	75.0	7.0	72.0	.73	81.0	77.6	NW b W	0.3					
4 „	.853	.056	81.6	75.4	6.2	72.9	.76	81.0	77.8	NW	0.3		+	2.0		0.20
5 „	.865	.084	78.8	74.2	4.6	72.2	.81	78.5	77.8	NW b N	0.4		+	4.0		0.43
6 „	.887	.130	77.0	73.0	4.0	71.3	.83	77.2	77.6	„	0.2	None.	+	6.0	None.	0.35
7 „	.901	.144	76.3	72.8	3.5	71.3	.85	76.6	77.5	NNW	0.2		+	4.0		0.18
8 „	.916	.173	76.2	72.4	3.8	70.7	.84	76.2	77.4	„	0.2					
9 „	.925	.236	74.7	70.4	4.3	68.3	.82	74.8	77.0	„	0.1		+	6.0		0.06
10 „	.915	.254	72.8	69.0	3.8	67.1	.83	73.6	76.8	„	0.0		+	6.0		0.24
11 „	.902	.254	72.2	68.4	3.8	66.7	.83	73.0	76.5	„	0.0		+	10.0		0.13
Dec. 19th–Midnight	.897	.258	71.8	68.0	3.8	66.0	.83	72.2	76.5	NNW	0.0		+	6.0		0.08
1 a. m.	.876	.202	71.6	69.0	2.6	67.7	.88	72.2	76.3	„	0.0		+	1.0		Above 10m.
2 „	.861	.228	71.8	67.8	4.0	65.7	.82	72.6	76.1	„	0.0					
3 „	.863	.282	70.6	65.8	4.8	63.1	.78	71.2	76.0	„	0.0					
4 „	.870	.262	71.6	67.0	4.6	64.5	.80	71·8	75.9	N b E	0.0					
5 „	.877	.258	71.2	67.2	4.0	65.2	.82	71·5	75.8	NNE	0.0					
6 „	.898	.238	70.6	66.7	3.9	64.6	.82	71.1	75.7	„	0.0					
7 „	.923	.291	70.0	67.2	2.8	65.7	.87	70.3	75.5	„	0.0		+	14.0		0·30
8 „	.955	.393	72.1	65.7	6.4	62.1	.71	72.0	75.5	NE	0.0					
9 „	.973	.317	76.4	70.0	6.4	66.8	·73	76.2	75.7	„	0.1					
10 „	.973	.326	77.2	70.0	7.2	66.4	.71	76.8	76·0	„	0.1					
11 „	.956	.284	79.2	71.4	7.8	67.6	.69	78.6	76.3	„	0.0					
Noon.	.928	.345	81.4	69.5	11.9	63.2	.56	80.6	76·6	„	0.0	None.			None.	
1 p. m.	.901	.218	82.4	72.6	9.8	68.1	.63	81.2	77.2	N b W	0.1					
2 „	.887	.177	82.3	73.3	9.0	69.3	.66	81.0	77.4	W	0.1					
3 „	.884	.111	82.4	75.0	7.4	71.9	.72	81.2	77.5	W b N	0.1					
4 „	.888	.202	81.4	72.4	9.0	68.2	.66	80.2	77.6	„	0.1					
5 „	.895	.145	78.7	73·3	5.4	71.0	.77	78.2	77.5	WNW	0.1					
6 „	.914	.171	77.0	72.6	4.4	70.7	.79	77.0	77.4	„	0.1					
7 „	.940	.209	76.0	71.0	4.0	70.2	.83	76.1	77.3	„	0.1		+	1.0		6.14
8 „	.954	.249	75.1	71.0	4.1	69.0	.82	75.2	77.2	„	0.0		+	1.0		Above 10m.
9 „	.953	.301	73.6	69.0	4.6	66.6	.80	74.2	76.8	„	0.1		+	8.0		0.30
10 „	.958	.294	72.0	68.8	3.2	67.2	.86	72.6	76.5	„	0.0		+	2.0		0.35
11 „	.956	.201	73.8	72.0	1.8	71.2	.92	74.1	76.5	„	0.0					
Dec. 20th–Midnight	.950	.229	72.7	70.7	2.0	69.8	.91	72.8	76.5	WNW	0.0					
1 a. m.	.943	.237	71.8	70.0	1.8	69.1	.92	72.2	76.3	„	0.0					
2 „	.938	.279	70.6	68.2	2.4	67.0	.89	70.2	76.1	„	0.0					
3 „	.939	.287	70.6	68.0	2.6	66.6	.88	70.6	76·0	„	0.1					
4 „	.949	.422	67.6	63.0	4.6	60.2	.79	68.6	75.5	„	0.0					
5 „	.969	.409	67.6	64.1	3.5	62.0	.84	68.2	75.3	„	0.0					
6 „	.985	.384	69.2	65.8	3.4	64.2	.84	69.5	75.2	„	0.0					
7 „	30.004	.372	69.7	67.1	2.6	65.7	·88	70.5	75.2	NW	0.0					
8 „	.035	.386	73.0	68.7	4.3	66.5	.81	73.2	75.4	„	0.0					
9 „	.055	.440	75.5	68.5	7.0	64.9	.71	73.4	75.5	„	0.0					
10 „	.051	.404	77.2	70.0	7.2	66.4	.71	76.2	75.7	NW b N	0.0					
11 „	.031	.388	79.1	70.5	8.6	66.2	.64	78.4	76.0	„	0.0					
Noon.	29.989	.327	80.7	71.5	9.2	67.1	.65	79.8	76.3	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.952	.266	81.4	72.4	9.0	68.2	.66	80.4	76.7	NW	0.3					
2 „	.934	.238	81.2	72.6	8.6	68.6	.67	80.7	76.9	„	0.3					
3 „	.928	.235	80.8	72.4	8.4	68.5	.67	80.2	77.0	„	0.3					
4 „	.927	.208	79.8	72.8	7.0	69.7	.72	79.0	77.0	„	0.3					
5 „	.931	.246	78.2	71.4	6.8	68.1	.73	78.0	76.9	„	0.6					
6 „	.939	.300	77.0	69.7	7.3	66.0	.70	76.4	76.8	„	0.8					
7 „	.962	.309	76.6	70.0	6.6	66.7	.73	76.1	76.6	NW b N	0·2					
8 „	.986	.332	75.3	69.6	5.7	66.7	.76	75.1	76.5	NNW	0.0					
9 „	.994	.400	73.8	67.3	6.5	63.8	.72	73.8	76.2	„	0.0					
10 „	.989	.429	72.8	65.9	6.9	62.0	.70	72.9	76.1	„	0.0					
11 „	.984	.434	72.2	65.4	6.8	61.5	.71	72.3	75.9	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ≤— cirro-strati; ⌒≤ cumulo-strati; and ≤≤≤ nimbi.	
0	N	Fleecy ⌒ scattered along E hor.	
1	L	" " " "	
1	L	" " " "	
1	L	Fleecy ⌒ scattered along E hor.; a few ≤ in W, N, and NE hor.	
1	L	" " " " " " " "	
1	C	Fleecy ⌒ scattered about E hor.	
1	C	A few patches of clouds in SE and W.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
0	L	≤ in E hor.	
0	L	" "	
1	L	Light ≤ around hor., except in SE and S.	
3	L	Light ≤ scattered about.	
3	C	" " "	
5	C	" " "	
5	C	Dense ≤ scattered about; mist along W hor.	
4	C	" " " " "	
2	N	≤ scattered about hor.; haze along E hor.	
2	N	" " " " "	
2	N	" " " " "	
4	N	≤ scattered in E hem.; mist along E hor.	
2	L	≤ scattered about; mist in NW and W hor.	
2	L	" " " " "	
1	L	≤ scattered about E hor.	
3	L	Light ≤ scattered about; mist along E hor.	
2	C	≤ scattered in E hem.; mist along E hor.	
1	C	" " " " "	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
0	L	Clear, with dew falling.	This force of Wind was greater than 1 lb.
0	L	" " "	
0	L	A few streaks of ≤ in E; dew falling.	
0	L	Clear; dew falling.	
0	C	Cloudless.	
1	C	≤ scattered about hor. from NE to SE.	
3	C	Light ≤ scattered about hor.; mist in W hor.	
3	C	Light ≤ scattered here and there; mist along hor.	
5	N	Light ≤ scattered about; mist along E hor.	
5	N	" " " " "	
7	N	Nearly overcast with ≤.	
8	N	Overcast with ≤; a solar-halo.	
8	L	Overcast with ≤.	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	" "	
4	C	≤ scattered about; haze along E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 22nd-Midnight	29.927	29.274	71°5	68°3	3°2	66°7	0.86	72°0	75°5	NW	0.0		+	4.0		0.40
1 a. m.	.912	.211	71.6	69.8	1.8	68.9	.92	72.0	75.5	„	0.0					
2 „	.898	.212	72.4	69.6	2.8	68.2	.88	72.2	75.5	„	0.0					
3 „	.894	.234	71.6	68.6	3.0	67.0	.87	71.8	75.4	„	0.0					
4 „	.899	.212	71.4	69.0	2.4	68.2	.90	71.8	75.3	„	0.0					
5 „	.912	.231	71.0	69.0	2.0	68.0	.91	71.6	75.7	„	0.0					
6 „	.922	.251	71.0	68.7	2.3	67.5	.90	71.2	75.2	NE b N	0.1					
7 „	.953	.278	71.5	69.0	2.5	67.7	.89	71.6	75.2	NE	0.0					
8 „	.984	.297	73.3	69.9	3.4	68.2	.85	73.4	75.3	„	0.0					
9 „	30.006	.307	75.6	71.0	4.6	68.8	.81	75.4	75.5	NE b E	0.1					
10 „	.003	.302	77.4	71.6	5.8	68.9	.96	77.2	75.7	ENE	0.1					
11 „	29.984	.330	78.4	70.6	7.8	66.7	.69	78.2	76.0	„	0.1					
Noon.	.962	.299	80.6	71.5	9.1	67.2	.65	80.2	76.3	„	0.0	None.			None.	
1 p. m.	.935	.317	81.6	70.6	11.0	65.0	.59	80.4	76.7	W b S	0.0					
2 „	.918	.262	82.4	71.9	10.5	66.8	.61	81.2	76.9	W	0.0					
3 „	.910	.212	83.0	73.2	9.8	68.7	.64	82.0	77.2	„	0.1					
4 „	.909	.185	83.4	74.0	9.4	69.9	.65	82.0	77.5	W b S	0.1					
5 „	.923	.186	80.5	73.5	7.0	70.4	.73	79.4	77.5	„	0.0		+	1.0		Above 10m.
6 „	.949	.196	78.0	73.0	5.0	70.8	.79	77.2	77.2	W	0.0					
7 „	.973	.222	76.2	72.6	3.6	71.0	.84	76.1	77.1	„	0.0					
8 „	.993	.251	75.0	72.0	3.0	70.6	.87	74.9	76.9	W b N	0.0					
9 „	30.005	.236	74.6	72.6	2.0	71.7	.91	74.8	76.6	NW b N	0.0		+	20.0		0.02
10 „	.002	.221	74.8	73.0	1.8	72.2	.92	74.6	76.6	„	0.0		+	6.0		0.18
11 „	.003	.238	74.2	72.4	1.8	71.6	.92	74.2	76.5	„	0.0		+	1.0		Above 10m.
Dec. 23rd-Midnight	29.991	.246	73.4	71.6	1.8	70.7	.92	73.8	76.4	NNW	0.0					
1 a. m.	.984	.310	73.2	69.5	3.7	67.7	.84	73.6	76.3	NE	0.1					
2 „	.966	.288	73.4	69.7	3.7	67.8	.84	73.4	76.3	„	0.1					
3 „	.948	.307	72.6	68.3	4.3	66.1	.81	72.8	76.1	„	0.0					
4 „	.951	.321	72.6	68.0	4.6	65.6	.80	72.8	76.0	„	0.1					
5 „	.966	.334	71.9	67.8	4.1	65.7	.82	72.2	76.0	NE b N	0.1					
6 „	.986	.371	71.6	67.2	4.4	64.9	.81	72.2	75.8	„	0.1					
7 „	30.022	.392	72.9	68.1	4.8	65.6	.79	73.3	75.8	NE	0.1					
8 „	.056	.417	75.5	69.2	6.3	66.0	.74	75.4	76.0	E b N	0.1					
9 „	.067	.430	77.4	69.8	7.6	65.9	.69	77.4	76.2	„	0.1					
10 „	.068	.384	79.6	71.8	7.8	68.1	.69	79.6	76.5	ENE	0.1					
11 „	.051	.415	81.4	71.0	10.4	65.9	.61	81.0	76.9	„	0.2	None.			None.	
Noon.	.022	.455	82.3	69.3	13.0	62.4	.52	81.6	77.2	„	0.0					
1 p. m.	29.999	.421	84.3	70.3	14.0	63.0	.51	83.0	77.6	NNW	0.0					
2 „	.972	.263	85.1	74.1	11.0	69.2	.60	83.3	77.9	WSW	0.1					
3 „	.955	.231	84.8	74.4	10.4	69.9	.62	83.5	78.2	„	0.1					
4 „	.955	.237	84.0	74.0	10.0	69.6	.63	83.0	78.2	W b N	0.2					
5 „	.958	.213	80.8	73.8	7.0	70.7	.73	82.6	78.3	WNW	0.1					
6 „	.973	.208	79.0	73.8	5.2	71.6	.79	79.1	78.0	NNW	0.1					
7 „	.995	.214	78.1	74.0	4.1	72.2	.82	78.8	78.0	„	0.1					
8 „	30.012	.281	77.0	72.3	4.7	70.2	.80	77.5	77.9	„	0.1					
9 „	.016	.289	76.4	72.0	4.4	70.0	.81	77.0	77.6	„	0.1					
10 „	.012	.359	75.1	69.5	5.6	66.7	.76	75.8	77.5	„	0.0		+	1.0		Above 10m.
11 „	.002	.380	72.8	67.8	5.0	65.2	.78	74.0	77.0	„	0.0					
Dec. 24th-Midnight	29.987	.385	72.2	69.0	5.2	64.2	.77	73.0	76.8	NNW	0.0					
1 a. m.	.972	.313	73.0	69.0	4.0	67.0	.82	73.4	76.8	„	0.0					
2 „	.958	.268	71.8	69.5	2.3	68.4	.90	72.4	76.6	„	0.0					
3 „	.949	.310	71.8	68.0	3.8	66.0	.83	72.4	76.4	„	0.0					
4 „	.951	.347	72.0	67.0	5.0	64.3	.78	72.5	76.3	„	0.1					
5 „	.972	.346	71.8	67.6	4.2	65.4	.81	72.3	76.2	NNE	0.1					
6 „	.994	.367	71.4	67.5	3.9	65.4	.82	72.0	76.1	NE b N	0.1	None.			None.	
7 „	30.025	.464	71.4	67.3	4.1	65.2	.82	72.0	75.9	NE	0.1					
8 „	.044	.436	73.7	67.7	6.0	64.5	.74	74.0	76.0	„	0.1					
9 „	.056	.455	75.8	68.2	7.6	64.2	.69	76.0	76.1	„	0.1					
10 „	.047	.454	77.8	68.6	9.2	63.8	.64	77.8	76.4	NE b E	0.1		+	2.0		Above 10m.
11 „	.023	.462	79.5	68.2	11.3	62.1	.57	79.2	76.5	„	0.0		+	2.0		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∩∪ nimbi.	
7	N	Nearly overcast with ≀; a few stars dimly visible.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
6	L	≀ scattered throughout.	
4	L	≀ scattered about; dew falling.	
4	L	" " " "	Wind blew abnormally on this day.
3	L	≀ scattered around hor. and in E hem.	
3	C	≀ scattered here and there; dew falling.	
2	C	≀ scattered about hor.	
4	C	≀ scattered about; mist in hor.	
3	C	" " " "	
1	N	≀ scattered about hor.; light mist along E hor.	
0	N	A few ≀ scattered around hor.; mist along E hor.	
0	N	Light mist along E hor.	
0	N	" " "	
0	L	" " "	
0	L	A solitary patch of cloud in E above hor.	
0	L	Clear.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
0	L	Clear, with dew falling.	
0	L	" " "	
0	L	" " "	
0	L	" " "	At 10 A. M. the height of Barometer was 30·068, the highest during the month, being about 0·061 higher than the Normal Mean.
0	C	" " "	
0	C	A few patches of clouds in NE above hor.; mist in hor.	
0	C	Mist around hor.	
0	C	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	L	" "	
0	L	A few patches of clouds in E above hor.; light mist in hor.	
0	L	" " " " " " "	
0	L	" " " " " " "	
0	C	A few patches of clouds in W and E hor.	
0	C	Haze along E hor.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
0	L	"	
0	L	"	
0	L	"	
0	L	"	This day was the 20th cloudless day from the beginning of the year.
0	C	"	
0	C	Light mist around hor.	
0	C	" " "	
0	C	" " "	
0	N	" " "	
0	N	" " "	
0	N	" " "	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 24th–Noon.	29.989	29.476	82°6	67°8	14°8	59°4	0.49	82°0	76°9	NE b E	0.1		+	1.0		Above 10m.
1 p. m.	.962	.452	84.0	68.2	15.8	59.2	.45	83.2	77.5	N	0.1		+	4.0		2.00
2 „	.937	.281	82.8	72.0	10.8	66.8	.60	82.0	77.7	NW	0.3		+	1.0		Above 10m.
3 „	.924	.253	82.8	72.4	10.4	67.5	.61	81.9	77.8	„	0.5		+	1.0		Above 10 m.
4 „	.919	.236	82.0	72.5	9.5	68.1	.64	81.2	77.8	„	0.3		+	1.0		Above 10m.
5 „	.928	.268	79.2	71.0	8.2	67.0	.68	78.9	77.8	„	0.3		+	4.0		5·27
6 „	.941	.298	77.5	70.0	7.5	66.2	.70	77.5	77.7	NW b N	0.2	None.	+	2.0	None.	9.30
7 „	.964	.327	76.6	69.5	7.1	65.9	.71	76.9	77.5	NNW	0.2		+	4.0		6.35
8 „	.972	.336	76.0	69.3	6.7	65.9	.72	76.0	77.3	„	0.4		+	7.0		2.15
9 „	.973	.301	75.4	70.1	5.3	67.2	.77	76.0	77.2	„	0.2		+	6.0		0.08
10 „	.975	.349	73.0	68.0	5.0	65.4	.78	73.4	76°8	„	0.1		+	20.0		0.06
11 „	.956	.380	71.1	65.8	5.3	62.9	.76	72.2	76.5	„	0.0		+	22.0		0.06
Dec. 25th–Midnight	.946	.338	71.6	67.0	4.6	64.5	.80	72.2	76.3	NNW	0.1		+	4.0		Above 10m.
1 a. m.	.943	.444	69.3	62.7	6.6	58.6	.70	70.2	76.0	„	0.0		+	4·0		Above 10m.
2 „	.922	.337	69.0	65.4	3.6	63.3	.83	70.2	75.7	„	0.0		+	2.0		Above 10m.
3 „	.916	.322	70.0	66.0	4.0	63.8	.82	70.5	75.7	„	0.0		+	21.0	12.0	0.08
4 „	.918	.368	69.4	64.4	5.0	61.5	.77	69.8	75.5	N	0.0		+	1.0		Above 10m.
5 „	.939	.384	68.0	64.0	4.0	61.6	.81	68.8	75.3	„	0.0		+	4.0	30.0	7.45
6 „	.952	.404	67.3	63.6	3.7	61.4	.82	68.2	74.9	„	0.0		+	Out of Sc.	10.0	0.38
7 „	.978	.394	67.4	64.8	2.6	63.3	.87	68.8	74.7	„	0.0		+	15·0		2.27
8 „	.992	.384	71.6	67.0	4.6	64.5	.80	71.4	75.0	NE b E	0.1					
9 „	.999	.442	73.4	66.0	7.4	61.9	.68	73.4	75.0	E b N	0.2		+	6.0		
10 „	.991	.435	76.4	67.0	9.4	61.8	.62	76.0	75.4	„	0.2		+	6.0		
11 „	.967	.419	77.1	67.0	10.1	61.4	.60	76.2	75.6	„	0.1	None.	+	1.0		
Noon.	.931	.356	79.7	68.7	11.0	62.8	.58	78.4	76.0	NNE	0.0		+	1.0		
1 p. m.	.904	.328	81.8	69.4	12.4	62.9	.54	80.2	76.5	N b W	0.1		+	10.0		
2 „	.883	.288	81.8	70.0	11.8	63.9	.56	80.4	76.6	W b N	0.1		+	3.0		
3 „	.873	.248	82.3	71.0	11.3	65.4	.58	81.0	76.9	„	0.2		+	1.0		
4 „	.879	.265	81.4	70.4	10.0	64.8	.59	80.2	77.0	„	0.3			2.0		
5 „	.892	.256	78.2	70.0	8.2	65.9	.67	77.8	76.7	WNW	0.2			6.0		
6 „	.909	.229	76.7	70.8	5.9	67.9	.75	76.2	76.7	NW	0.2			10.0		Not Observed.
7 „	.935	.273	74.9	69.7	5.2	67.1	.78	75.2	76.6	„	0.4			6.0		
8 „	.956	.345	74.4	68.0	6.4	64.7	.73	74.7	76.4	NW b N	0.1			4.0		
9 „	.959	.387	72.0	66.0	6.0	62.7	.74	72.2	76.0	„	0.1			13.0	10.0	
10 „	.954	.434	69.6	63.8	5.8	60.3	.74	70.2	75.6	„	0.1			4·0		
11 „	.949	.335	69.0	66.0	3.0	64.4	.86	70.2	75.3	„	0.0			8.0		
Dec. 26th–Midnight	.921	.349	70.4	65.6	4.8	62.7	.79	70.8	75.3	NW b N	0.0		+	4.0		Not obsd.
1 a. m.	.914	.360	70.7	65.0	5.7	61.7	.75	71.2	75.3	„	0.0		+	6.0		Not obsd.
2 „	.896	.309	70.6	66.0	4.6	63.4	.79	71.0	75.2	„	0.0		+	2.0		Above 10m.
3 „	.887	.339	69.6	64.4	5.2	61.4	.76	70.2	75.0	NNW	0.0		+	2.0		Above 10m.
4 „	.885	.306	69.4	65.4	4.0	63.0	.82	69.8	74.8	NNE	0.0		+	7.0		Above 10m.
5 „	.902	.345	67.2	63.8	3.4	61.9	.84	68.2	74.5	„	0.0		+	18.0	10.0	4.25
6 „	.932	.352	68.4	65.0	3.4	63.1	.84	68.9	74.4	NE	0.1		+	6.0		6.37
7 „	.942	.385	67.6	64.0	3.6	61.9	.83	68.2	74.3	NE b E	0.1					
8 „	.965	.434	70.0	64.0	6.0	60.4	.73	70.5	74.3	ENE	0.1		+	22.0	15.0	0.53
9 „	.976	.419	73.4	66.0	7.4	61.9	.69	73.2	74.4	„	0.1		+	6.0		0.12
10 „	.975	.397	75.6	67.4	8.2	63.0	.67	75.2	74.8	„	0.1		+	4.0		1.03
11 „	.959	.387	77.8	68.0	9.8	62.7	.62	77.0	75.2	„	0.1		+	2.0		Above 10m.
Noon.	.927	.347	78.4	68.4	10.0	63.1	.61	78.0	75.5	„	0.0	None.	+	2.0		Above 10m.
1 p. m.	.901	.306	80.6	69.6	11.0	63.9	.58	79.2	75.9	N b W	0.0		+	1.0		Above 10m.
2 „	.889	.249	81.4	71.1	10.3	66.1	.61	80.2	76.2	NW b N	0.2		+	1.0		Above 10m.
3 „	.883	.260	81.8	70.8	11.0	65.3	.59	80.4	76.4	WSW	0·1		+	1.0		Above 10m.
4 „	.893	.270	81.8	70.8	11.0	65.3	.59	80.2	76.6	„	0.2		+	1.0		Above 10m.
5 „	.905	.239	78.6	71.0	7.6	67.3	.70	78.0	76.5	W	0.2		+	3.0		Above 10m.
6 „	.920	.233	76.8	71.0	5.8	68.2	.76	76.5	76.3	„	0.1		+	4.0		Above 10m.
7 „	.946	.279	75.4	70.0	5.4	67.3	.77	75.4	76.2	„	0.1		+	Out of Sc.	24 0	2.00
8 „	.967	.292	74.0	69.8	4.2	67.7	.82	74.0	76.0	„	0.0		+	Out of Sc.	25.0	0.05
9 „	.982	.303	72.4	69.4	3.0	67.9	.87	73.0	75.8	„	0.0		+	4.0		0.04
10 „	.984	.386	70.6	66.4	4.2	64.0	.81	71.2	75.3	„	0.0		+	3.0		2.00
11 „	.979	.419	69.6	64.8	4.8	62.0	.78	70.4	75.2	W b N	0.1		+	3.0		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	N	Light mist around hor.	
0	L	” ” ”	
0	L	” ” ”	
0	L	” ” ”	
0	L	” ” ”	
0	C	” ” ”	
0	C	” ” ”	
0	C	Clear.	
0	C	”	
0	N	”	
0	N	”	
0	N	”	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0. At 6 A. M. the Temperature of Wet Bulb Thermometer was 63°6, being about 2°6 lower than the Normal Mean. This day was the 21st cloudless day from the beginning of the year.
0	L	”	
0	L	”	
0	L	”	
0	L	”	
0	C	”	
0	C	Mist in hor.	
0	C	” ”	
0	C	” ”	
0	N	” ”	
0	N	” ”	
0	N	” ”	
0	N	” ”	
0	L	” ”	
0	L	” ”	
0	L	” ”	
0	L	” ”	
0	C	” ”	
0	C	” ”	
0	C	Clear.	
0	C	”	
0	N	”	
0	N	”	
0	N	”	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0. This day was the 22nd, or the last, cloudless day from the beginning of the year.
0	L	”	
0	L	”	
0	L	”	
0	L	”	
0	C	”	
0	C	Mist in hor.	
0	C	” ”	
0	C	” ”	
0	N	” ”	
0	N	” ”	
0	N	” ”	
0	N	” ”	
0	L	” ”	
0	L	” ”	
0	L	” ”	
0	L	” ”	
0	L	Clear.	
0	L	”	
0	L	”	
0	L	”	
0	L	”	
0	L	”	
0	L	”	

Bombay Civil Time. 1856.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same amount of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 29th-Midnight	29.934	29.242	72°4	69°8	2°6	68°5	0.88	72°6	75°6	NNW	0.2					
1 a. m.	.920	.254	71°8	68.8	3.0	67.3	.87	71.8	75.6	NE	0.1					
2 „	.901	.228	71.2	68.8	2.4	67.6	.89	71.4	75.4	„	0.1					
3 „	.899	.231	71.0	68.6	2.4	67.4	.89	71.2	75.3	„	0.0					
4 „	.895	.265	70.2	67.2	3.0	65.6	.86	70.4	75.2	NE b N	0.1					
5 „	.894	.291	69.2	66.0	3.2	64.3	.85	69.8	75.0	„	0.1					
6 „	.906	.302	68.2	65.7	2.5	64.3	.88	69.0	74.8	ENE	0.1					
7 „	.930	.319	68.2	65.9	2.3	64.7	.89	68.9	74.8	„	0.1					
8 „	.949	.329	70.5	67.0	3.5	65.1	.84	70.9	74.5	„	0.1					
9 „	.962	.347	71.6	67.2	4.4	64.9	.81	72.1	74.5	„	0.0					
10 „	.954	.306	74.0	69.0	5.0	66.5	.78	74.0	74.6	„	0.1					
11 „	.939	.268	75.0	70.0	5.0	67.5	.79	74.6	74.8	„	0.0	None.	+	4.0		0.08
Noon.	.914	.309	76.4	68.4	8.0	64.2	.67	76.0	75.2	„	0.0		+	2.0		Above 10m.
1 p. m.	.892	.246	78.6	70.4	8.2	66.4	.68	78.0	75.5	WNW	0.1		+	1.0		Above 10m.
2 „	.885	.212	79.9	71.9	8.0	67.6	.69	79.0	75.8	W	0.1					
3 „	.880	.151	80.2	73.2	7.0	70.1	.72	79.2	76.1	W b N	0.1					
4 „	.886	.146	80.2	73.5	6.7	70.5	.74	79.2	76.2	„	0.1					
5 „	.888	.204	78.0	71.3	6.7	68.1	.78	77.0	76.4	„	0.0					
6 „	.896	.226	75.7	70.2	5.5	67.5	.77	75.1	76.0	„	0.0					
7 „	.910	.228	74.0	70.0	4.0	68.0	.83	74.2	75.8	„	0.0					
8 „	.923	.257	72.4	69.0	3.4	67.3	.85	72.2	75.6	„	0.0					
9 „	.929	.266	71.4	68.6	2.8	67.2	.87	72.0	75.4	„	0.0					
10 „	.923	.264	70.6	68.2	2.4	67.0	.89	71.4	75.2	WNW	0.0		+	Out of Sc.	40.0	0.02
11 „	.912	.212	71.6	69.8	1.8	68.8	.92	72.1	75.2	„	0.0					
Dec. 30th-Midnight	.913	.213	71.6	69.8	1.8	68.8	.92	72.1	75.2	WNW	0.0					
1 a. m.	.903	.204	71.2	69.6	1.6	68.8	.93	71.2	75.2	„	0.0					
2 „	.904	.205	71.2	69.6	1.6	68.8	.93	71.4	75.1	NW b N	0.0					
3 „	.898	.213	70.6	69.0	1.6	68.1	.93	70.6	75.0	NNE	0.0					
4 „	.906	.212	69.8	69.0	0.8	68.6	.96	70.2	74.8	„	0.0					
5 „	.910	.219	69.8	68.9	0.9	68.4	.96	70.2	74.7	NE b N	0.1					
6 „	.924	.266	68.6	67.5	1.1	66.9	.95	69.1	74.5	„	0.1					
7 „	.944	.267	68.4	68.0	0.4	67.8	.98	69.0	74.3	„	0.1					
8 „	.965	.274	70.2	69.0	1.2	68.4	.95	70.8	74.4	„	0.1					
9 „	.982	.282	72.4	70.0	2.4	68.8	.89	72.4	74.4	„	0.1					
10 „	.972	.285	73.5	70.0	3.5	68.2	.85	73.2	74.6	NE b E	0.1					
11 „	.943	.244	75.6	71.0	4.6	68.8	.81	75.4	75.0	„	0.1	None.				
Noon.	.909	.253	77.3	70.3	7.0	66.8	.71	77.0	75.2	„	0.1					
1 p. m.	.886	.180	79.6	72.4	7.2	69.1	.72	79.0	75.7	NNW	0.2					
2 „	.873	.184	79.8	72.0	7.8	68.3	.69	79.0	75.9	NW	0.4					
3 „	.871	.177	79.4	72.0	7.4	68.6	.71	78.7	76.0	„	0.3					
4 „	.888	.184	79.8	72.4	7.4	69.0	.71	78.8	76.2	„	0.2					
5 „	.895	.197	77.4	71.5	5.9	68.9	.76	76.5	76.3	„	0.2					
6 „	.922	.219	75.3	71.0	4.3	69.0	.82	75.1	76.0	„	0.1					
7 „	.945	.236	74.4	70.9	3.5	69.2	.85	74.4	75.9	„	0.1					
8 „	.955	.248	73.6	70.6	3.0	69.2	.87	73.7	75.7	„	0.1					
9 „	.958	.261	72.0	69.8	2.2	68.7	.90	72.2	75.6	„	0.1		+	Out of Sc.	28.0	0.04
10 „	.950	.267	71.4	69.2	2.2	68.1	.90	71.6	75.4	„	0.1		+	10.0		0.06
11 „	.943	.288	70.4	68.0	2.4	66.8	.89	71.2	75.2	„	0.1					
Dec. 31st-Midnight	.930	.271	70.0	68.0	2.0	67.0	.91	71.0	75.0	NW	0.0					
1 a. m.	.920	.239	70.4	68.8	1.6	68.0	.93	71.4	75.0	„	0.0					
2 „	.906	.221	70.6	69.0	1.6	68.1	.93	71.0	75.0	„	0.0					
3 „	.889	.197	70.3	68.8	1.5	68.5	.93	70.8	74.8	NW b W	0.0					
4 „	.888	.240	69.8	67.6	2.2	66.5	.90	70.2	74.7	„	0.0					
5 „	.894	.261	68.8	66.8	2.0	65.7	.91	70.0	74.6	„	0.0	None.	None.	None.	None.	None.
6 „	.911	.256	68.6	67.4	1.2	66.8	.94	69.8	74.4	„	0.0					
7 „	.925	.233	70.0	69.0	1.0	68.5	.95	70.9	74.4	„	0.0					
8 „	.954	.262	72.8	69.9	2.9	68.5	.87	72.7	74.3	NNE	0.0					
9 „	.964	.287	73.2	69.6	3.6	67.8	.84	73.4	74.5	NE	0.1					
10 „	.953	.284	74.3	70.0	4.3	67.9	.81	74.2	74.7	„	0.1					
11 „	.938	.265	76.1	70.4	5.7	67.6	.76	76.0	75.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0. The Range of Barometer was 0.082, the lowest during the month.
0	L	"	
0	L	Clear; dew falling.	
0	L	" " "	
0	L	" " "	
1	C	Dense ⌒i about E and SE hor.; dew falling.	
4	C	⌒i scattered about, moving W.	
6	C	⌒i scattered about; mist around hor.	
5	C	" " " "	
7	N	" " " "	
7	N	" " " "	
7	N	" " " "	
7	N	" " " "	
4	L	A few patches of fleecy clouds about W hor.; ⌒i scattered about.	
3	L	Fragments of fleecy clouds about W hor.; ⌒i scattered about hor.	
2	L	⌒i scattered around hor., except in W.	
2	L	" " " "	
2	C	" " " "	
1	C	Patches of fleecy clouds in NW and W; ⌒i scattered about S hor.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	Clear; dew falling.	
0	N	Clear; dew falling copiously.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0.
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	L	" " "	
0	C	" " "	
1	C	A few patches of fleecy clouds scattered about NE, E, and SE hor.	
1	C	Fleecy clouds scattered about W and NW hor.; mist around hor.	
2	C	Fleecy clouds scattered here and there, moving NE; mist in hor.	
2	N	Patches of fleecy clouds in N; ⌒i scattered here and there; mist along E hor.	
1	N	⌒i scattered in E hem.; fragments of fleecy clouds scattered here and there.	
1	N	" " " " " " " " "	
3	N	Fleecy clouds and ⌒i scattered about hor., the former moving NNE.	
2	L	⌒i scattered about.	
4	L	Fleecy clouds above W hor.; ⌒i scattered around hor.	
3	L	" " " " " "	
4	L	Fleecy clouds in W and NW; ⌒i scattered around hor., moving ENE.	
4	C	Patches of fleecy clouds in N, moving NE; ⌒⌒i in N and W; ⌒i along E hor.	
3	C	Fleecy clouds in E and SW, moving E; ⌒i around hor.; ⌒⌒i scattered about zth.	
1	C	Fleecy clouds scattered in SW and W, moving E.	
1	C	⌒i and fleecy clouds in W and SW, the latter moving E.	
2	N	⌒i and fleecy clouds around hor.; otherwise clear; dew falling.	
2	N	" " " " " "	
1	N	" " " " " "	
3	N	⌒i scattered around hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°0 and 82°0. The Range of Air Thermometer was 8.6, the lowest during the month. At 3 P. M. the height of Barometer was 29.841 in., being about 0.050 in. lower than the Normal Mean for that hour.
3	L	⌒i scattered about; dew falling.	
3	L	⌒i scattered in S hem. and around hor.; dew falling.	
8	L	Overcast with ⌒i; a few stars dimly visible in W; dew falling.	
6	L	⌒i scattered about.	
4	C	⌒i scattered about hor.	
8	C	Light fleecy clouds scattered throughout, moving E; a few stars dimly visible in zth.	
8	C	Overcast with fleecy clouds; mist around hor., except in S.	
8	C	" " " " " " "	
8	N	Overcast with fleecy clouds, moving SSE.	
8	N	" " " "	
8	N	Overcast with fleecy clouds, moving SE.	

Bombay Civil Time. 1856.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	
Dec. 31st–Noon.	29.906	29.217	77°2	71°2	6°0	68°3	0.75	77°0	75°3	NNE	0.0					
1 p. m.	.872	.154	77.2	72.0	5.2	69.4	.78	77.0	75.3	NNW	0.1					
2 „	.850	.139	77.2	71.8	5.4	69.3	.78	77.0	75.7	NW b N	0.1					
3 „	.841	.144	75.8	71.0	4.8	68.7	.80	75.6	75.7	„	0.1					
4 „	.845	.174	75.0	70.0	5.0	67.5	.79	75.2	75.6	„	0.0					
5 „	.855	.182	74.8	70.0	4.8	67.6	.79	74.9	75.6	„	0.0	None.	None.	None.	None.	None.
6 „	.868	.213	74.0	69.2	4.8	66.7	.79	74.1	75.5	„	0.1					
7 „	.895	.254	73.4	68.6	4.8	66.1	.79	73.5	75.5	„	0.1					
8 „	.908	.290	72.8	67.7	5.1	65.0	.78	72.9	75.4	„	0.1					
9 „	.901	.295	72.4	67.2	5.2	64.4	.77	72.4	75.4	„	0.1					
10 „	.893	.306	71.8	66.4	5.4	63.4	.76	72.2	75.0	„	0.0					
11 „	.886	.280	71.8	67.0	4.8	64.4	.79	72.2	75.0	„	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∽ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∽ nimbi.	
8	N	Overcast with fleecy clouds, moving SE.	
8	N	" " " "	
8	N	" " " "	
8	C	" " " "	
8	C	Overcast with ∿ and a few fleecy clouds, the latter moving E.	
8	C	" " " " " " "	
8	C	Overcast with ∿.	
8	C	" "	
8	C	" "	
8	N	" "	
8	N	Overcast with fleecy clouds and ∽, whose motion was not apparent.	
8	N		

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETOR OBSERVATIONS

FOR 1856.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
19TH MAY	8h 25m to 8h 46m P. M.	Neg.	Out of Scale.	Out of Scale.	5.0	0·01	8·25	0.05	1 in 1	8·25
				50		0·20	·34			
				50		0·05	·39			
			6			Above 10m.	·46			
20TH MAY.		Neg.	Out of Scale.	Out of Scale.	7	Inst.	5.47	0.10	3 in 1	
					10	,,	5.49	0.15	Many.	5·49
					7	,,	5·51	0.10	4 in 1	
					3	,,	6·00	0.05	A spark	
		Neg.	Out of Scale.	Out of Scale.	2	,,	6·44	0·05	A spark	
21ST MAY.	From 5h 53m P. M. to 9h 2m P. M.				2	,,	5·23	0.02	1 in 1	
					3	,,	·28	.03	1 ,, 1	
					5	,,	·33	.06	2 ,, 1	5·33
					4	,,	·38	.06	2 ,, 1	
					4	,,	·40	.08	Volley.	
					4	,,	·42	·06	2 in 1	
					2	,,	·44	·05	1 ,, 1	
					2	,,	·48	.05	1 ,, 1	
				100		0·6	·52			
				Out of Scale.	3	Inst.	·55	.06	1 ,, 1	
					5	,,	6·03	.08	3 ,, 1	
					7	,,	·05	.10	2 ,, 1	
					3	,,	·07	.03	1 ,, 1	
					4	,,	·08	.07	3 ,, 1	
					8	,,	·09	.09	2 ,, 1	
					7	,,	·10	.12	2 ,, 1	
					8	,,	·11	·12	3 ,, 1	
					7	,,	·15	.11	2 ,, 1	
					7	,,	·16	.11	2 ,, 1	
					10	,,	.18	.14	2 ,, 1	
					5	,,	.21	.06	3 ,, 1	
					8	,,	·25	.12	2 ,, 1	
					7	,,	·27	.10	2 ,, 1	
					2	,,	·28	.03	Volley.	
					6	,,	·29	0.11	1 in 1	
					3	,,	·36	.06	2 ,, 1	
					3	,,	.46	.05	1 ,, 1	
					4	,,	.47	.07	2 ,, 1	
					7	,,	.48	.10	2 ,, 1	
					8	,,	.52	.13	A spark	
					6	,,	.55	.08	2 in 1	
					11	,,	.58	.12	3 ,, 1	
					8	,,	7.07	.11	2 ,, 1	
					8	,,	.08	.11	2 ,, 1	
					5	,,	.10	.07	3 ,, 2	
					8	,,	.11	.10	2 ,, 1	
					7	,,	.16	.10	2 ,, 1	
					10	,,	.18	.12	2 ,, 1	
					7	,,	.19	.10	2 ,, 1	
					7	,,	.23	.10	2 ,, 1	
					12	,,	.25	.15	1 ,, 2	7·25
					7	,,	.27	0.10	1 ,, 1	
					6	,,	.28	.10	2 ,, 1	
					6	,,	.30	0.10	1 ,, 1	
					7	,,	.35	.10	1 ,, 1	
					8	,,	.36	.11	2 ,, 1	
					4	,,	.49	.06	1 ,, 1	
					5	,,	.44	.05	3 ,, 1	
					3	,,	7.48	.06	2 ,, 1	
					4	,,	.56	.07	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29.818	87.5	NW b W	0·2	8/8	Densely overcast with ∿ and ⌣; light drizzling rain falling; lightning in E and SE at intervals.
		"	"	"	
		"	0·1	"	Rain ceased; clouds began to break; the moon shone through them.
29.822	89.1	"	"	"	
29.615	86.0	NNW		7/8	Nearly overcast with ∿; raining; thunder occasionally.
		"			Rain ceased.
		"			
.610	85.8	"			Overcast.
		"			
29.644	82.4	SSE	0·6	8/8	Overcast with ∿ and ⌣; heavy rain in E and SE.
		"	"	"	
		"	"	"	
		"	"	"	
		Unsteady.	16·0	"	Overcast with ∿; a heavy squall from SE and E.
		"	15·0	"	
		"	"	"	
		"	"	"	
29.711	85.0	"	10·0	"	
		"	"	"	
29.691	82.0	SE	8·0	"	Overcast; light rain commenced falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Peals of thunder; lightning flashing; wind abated; light rain falling; overcast.
29.691	82.0	S b E	0·5	"	
		"	"	"	
		Calm.	0.0	"	Overcast; continuous thunder and lightning in all directions.
		"	"	"	The interval between a flash of lightning and thunder which followed it was generally 18s.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0·0	"	Overcast with ∿ and ⌣; rain ceased; thunder and lightning.
		"	"	"	
		"	"	"	
		SW	0·1	"	Overcast; lightning and thunder around hor.
		"	"	"	
		"	"	"	
		"	"	"	
29.694	80.0	"	"	"	Thunder was heard generally 17s. after each flash of sheet lightning.
		"	0·1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0·3	"	Overcast with ∿; raining; thunder and lightning as before, but at longer intervals.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0·0	"	Overcast; raining; lightning.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold L. El.	Reading of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
21st May.	From 5h 53m P. M. to 9h 24m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	8.04	.12	2 in 1	
					3	„	·11	·06	2 „ 3	
					3	„	·13	.05	2 „ 3	
					2	0.01	·16	·03	1 „ 3	
					1	0.02	.17	·02	1 „ 2	
					10	Inst.	8·49	0·14	2 „ 1	
					8	„	·53	·15	2 „ 3	
					9	„	·57	·13	2 „ 3	
					6	„	9.00	·11	1 „ 1	
					2	„	·17	·02	1 „ 1	
					1	„	.20	·01	A spark.	
				50		0·13	·24			
22nd May.				Out of Scale.	2	Inst.	4·35	0.04	1 in 1	4·40
					2	„	·40	·05	2 „ 3	
							A. M.			
27th May.	From 8h 08m to 10 P.M.				2	0·1	8·08	0·05	1 in 2	
				60		2·6	8.16	0·01	A spark.	
				Out of Scale.	2	0·2	9·00	0.05	1 in 2	
					3	0.2	10·00	0·07	1 „ 2	
					4	Inst.	Noon	0·10	1 „ 1	Noon.
					2	0·1	1 P. M.	0.04	1 „ 2	
					2	0·1	1 „	0·01	A spark.	
					2	0.2	10 „	0.05	1 in 2	
5th June.	From 2h 40m P. M. to 8h 25m P. M.				5	Inst.	2·40	0.04	2 in 1	
					6	„	·42	0·06	2 „ 1	
					4 to 6	„	·44	0.09	4 „ 1	
					5	„	.45	·04	3 „ 1	
					7	„	·46	.10	7 „ 2	
					5	„	·47	·07	5 „ 1	
					4	„	·48	.06	3 „ 1	
					3	„	·51		A spark.	
					2	„	·54	·03	2 „ 1	
					4	„	·55	.06	4 „ 1	
					4	„	·56	·06	2 „ 1	
					3	„	·58	·05	3 „ 2	
					1	„	.59	·02	1 „ 1	
					3	„	3·01	0.04	2 „ 1	
					4	„	·03	·05	4 „ 1	
					4	„	.04	.05	4 „ 1	
					5	„	.06	·05	4 „ 1	
					5	„	·08	.06	3 „ 1	
					4	„	.09	.05	3 „ 1	
					6	„	·11	·07	Many sparks.	
					4	„	.15	·05	3 in 1	
					6	„	·16	·06	4 „ 1	
					4	„	·21	.05	3 „ 1	
					8	„	.23	·12	2 „ 1	3·23
					6	„	.24	·07	3 „ 1	
					4	„	·28	·05	4 „ 1	
					4	„	·30	·05	2 „ 1	
					3	„	·37	·06	1 „ 1	
					6	„	.40	·07	3 „ 2	
					5	„	·42	·06	2 „ 1	
					4	„	.45	.05	2 „ 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
					[was 19s.
29·733	80.0	Calm.	0·0	8	Overcast; the interval between a flash of lightning and thunder
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning flashing at long intervals; no thunder heard.
		,,	,,	,,	
		S	0.4	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; drizzling rain; lightning seen in all directions, but at long intervals.
29·755	79.5	,,	,,	,,	
		,,	0.3	,,	
		,,	,,	,,	
		,,	,,	,,	Rain ceased.
29·706	91.6	W	0.1	,,	E hem. densely covered with thunder clouds; the other half was clouded with ∿ and dense hazy ∿; distant thunder.
		,,	,,	,,	
29·739	86.2	W	0·1	8	The E hem. overcast with ∿, and the remaining portion of sky was clouded with ∿ and masses of ∿; occasional thunder heard from all quarters, especially from E.
		,,	,,	,,	Thunder about zth.
29·752	87.0	,,	,,	,,	Overcast with ∿; distant thunder heard occasionally.
·749	78.9	,,	,,	,,	Overcast with ∿; light rain; occasional thunder.
·723	83.6	SW	,,	,,	
·702	82.6	S b W	,,	,,	Overcast with ∿; drizzling rain.
		,,	,,	,,	
29·715	81.8	W	,,	,,	Overcast with ∿; raining.
29·744	81.4	NNW	0.5	8	Overcast; raining; and thunder.
		,,	,,	,,	
		,,	,,	,,	Thunder about zth.; raining.
		,,	0·3	,,	Lightning and thunder about zth.
		,,	0·2	,,	Distant thunder.
		,,	,,	,,	Lightning in zth.; raining.
		,,	0·1	,,	Raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder and rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·743	78·1	,,	,,	,,	Thunder about zth.; rain.
		WS b S	,,	,,	
		,,	,,	,,	Raining.
		,,	,,	,,	
		,,	,,	,,	Loud clap of thunder to E of zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Loud thunder to S of zth.; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining.
		WSW	0·2	,,	
		,,	,,	,,	Continuous thunder about zth.; raining.
		,,	,,	,,	Interval between lightning and thunder about 16s.
		,,	,,	,,	Interval between lightning and thunder about 17s.
		,,	,,	,,	
		,,	,,	,,	Continuous thunder near zth.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold. L. El.	Reading of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
5TH JUNE.	From 2h 40m P. M. to 8h 25m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	3·49	0.11	3 in 1	
					6	,,	·51	.10	4 ,, 1	
					4	,,	·53	.04	2 ,, 1	
					2	,,	4.02	.05	1 ,, 1	
					2	,,	·10	.04	1 ,, 2	
					3	,,	·12	.04	1 ,, 1	
					3	,,	.25	.05	2 ,, 3	
					6	,,	·28	.07	2 ,, 1	
					5	,,	·30	.08	2 ,, 1	
					4	,,	·38	.05	2 ,, 3	
					5	,,	·42	.05	3 ,, 1	
					6	,,	·46	.06	3 ,, 1	
					5	,,	.52	.05	5 ,, 3	
					6	,,	5·01	.07	A spark.	
					5	,,	·03	.06	2 in 1	
					6	,,	·23	.07	1 ,, 1	
					3	,,	.28	.07	2 ,, 3	
					3	,,	·38	.07	2 ,, 3	
					8	,,	·43	.12	3 ,, 1	5·43
					5	,,	.46	.06	2 ,, 1	
					3	,,	·48	.03	2 ,, 3	
				85		0·10	·56	.02	A spark.	
				Out of Scale.	3	Inst.	.57	.05	1 in 1	
					3	,,	.59	.06	2 ,, 3	
					3	,,	6·04	.06	2 ,, 3	
					4	,,	·06	.07	2 ,, 3	
					5	,,	·08	.07	3 ,, 2	
					6	,,	·09	.08	3 ,, 1	
					6	,,	·12	.08	2 ,, 1	
					2	,,	.14	0·06	1 ,, 2	
					3	,,	·53	0.05	1 ,, 1	
				96		0·02	·56	.03	1 ,, 1	
				Out of Scale.	3	Inst.	.59	.06	1 ,, 1	
					3	,,	7·03	.06	2 ,, 3	
					4	,,	.28	.06	2 ,, 3	
					5	,,	.13	.08	3 ,, 1	
					6	,,	·14	.09	3 ,, 1	
					6	,,	·16	.09	3 ,, 1	
					6	,,	.18	.09	4 ,, 1	
					6	,,	·19	.09	4 ,, 1	
					5	,,	.22	.08	2 ,, 1	
					3	,,	·24	.05	2 ,, 1	
					2	0.01	·27	.04	1 ,, 1	
					2	0·01	.34	.05	1 ,, 2	
					3	Inst.	·43	.04	1 ,, 1	
					6	,,	8·10	.05	2 ,, 1	8.10
					4	,,	.23	.04	2 ,, 3	
					5	,,	·24	.05	2 ,, 1	
					6	,,	.25	.05	3 ,, 1	
							P. M.			
9TH JUNE.	From 0.39 P. M. to 9h 14m P. M.				4	Inst.	0.39	0.05	5 in 2	
					3	,,	8·09	0.02	2 ,, 1	
					6	,,	·10		A spark.	
					4	,,	·14	.06	3 in 1	
					5	,,	·16	.08	5 ,, 1	
					9	,,	.19	.12	Many	
					11	,,	.20	.14		8.20
					10	,,	.21	.12	8 in 1	
					9	,,	.22	.12	5 ,, 1	

EXTRAORDINARRY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		W b S	0·1	⅛	Continuous thunder over head; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
29·745	78·0	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder and rain.
		,,	,,	,,	
		WNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·750	77·0	,,	,,	,,	Raining, but no thunder.
		,,	,,	,,	
		Calm.	0·0	,,	
		,,	,,	,,	Drizzling rain; occasional thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder and rain continues.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·758	77·8	,,	,,	,,	Lightning, thunder, and rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining lightly, but no thunder.
		,,	,,	,,	
		,,	,,	,,	Thunder and rain.
29·800	77·0	,,	,,	,,	Lightning and thunder.
		,,	,,	,,	
		,,	,,	,,	Lightning, but no thunder; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining; lightning, with thunder.
29·801	76·0	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N b W	0·7	⅛	Overcast; raining lightly.
29·595	76·0	SW	2·0	,,	Thunder and lightning, with heavy rain and wind.
		,,	,,	,,	Raining.
		,,	1·0	,,	
		,,	0·5	,,	
		,,	,,	,,	
		,,	,,	,,	Drizzling rain.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
9TH JUNE.	From 0.39 P. M. to 9h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	.23	0·12	5 in 1	
					6	„	·26	·08	3 „ 1	
					6	„	·29	.08	3 „ 1	
					5	„	·33	·07	2 „ 1	
					5	„	·35	·05	3 „ 1	
					4	„	·38	·05	2 „ 1	
					6	„	·40	·07	3 „ 2	
					4	„	·45	·05	2 „ 1	
					1	„	·53	·03	A spark.	
					3	„	·59	·05	1 in 1	
					1	„	9.01	·01	1 „ 1	
					2	„	·11	·04	A spark.	
				75		0.10	·14			
10TH JUNE.	From 8h 53m A. M. to 9h 0m A. M.			Out of Scale.	6	Inst.	8·53	0.08	3 in 1	8·53
					4	„	.55	·07	1 „ 1	
					3	„	·57	·06	1 „ 1	
					8	„	·58	.02	1 „ 1	
							A. M.			
27TH JUNE.	From 2h 16m A. M. to 10h 0m A. M.				4	Inst.	2·16	0·06	2 in 1	
					2	„	·31	.02	2 „ 3	
					2	„	·33½	·01	2 „ 1	
					1	„	4·70	.01	1 „ 1	
					2	„	·52½	.03	1 „ 1	
				50		0·03	3·04½		A spark.	
				Out of Scale.	3	Inst.	·21½	·03	2 in 3	
					6	„	·26	·07	2 „ 3	
					5	„	·28½	.06	2 „ 1	
					5	„	·30½	·06	3 „ 2	
					6	„	·32	·07	1 „ 1	
					4	„	·34½	·05	1 „ 1	
					3	„	·36½	.04	1 „ 1	
					1	„	·38	.02	A spark.	
					6	„	8·55	.08	1 in 1	
					5	„	·59	.07	1 „ 3	
					5	„	9.01	.07	1 „ 2	
					7	„	·02	.08	1 „ 1	
					7	„	·03	.09	3 „ 2	
					8	„	.04	.10	3 „ 2	
					10	„	·08	.12	6 „ 1	
					11	„	.09	.14	8 „ 1	
					10 to 16	„	·09½	.16	Volley	
					8 „ 14	„	·10	.15	8 in 1	
					10	„	·11	.13	12 „ 1	
					6 to 14	„	·12	.14	Many	
					14 „ 18	„	·13	.16	Many	9.13
					10 „ 20	„	·15	.15	5 in 1	
					10 „ 18	„	·15	.15	10 „ 1	
					6 „ 16	„	·17	.15	8 „ 1	
					8 „ 16	„	.18	.16	12 „ 1	
					4 „ 15	„	.19	.15	Many	
					6 „ 14	„	.19½	.14	4 in 1	
					8	„	.20	.11	A spark.	
					8	„	.21½	.10	3 in 1	
					5	„	.23	.05	4 „ 1	
					9	„	.24	.08	3 „ 2	
					6	„	.25	.04	1 „ 4	
					5	„	.27	.04	A spark.	
					7	„	.35½	.09	2 in 1	
					4	„	.38	.06	2 „ 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29·595	76·0	SW	0·5	8/8	Drizzling rain.
		,,	,,	,,	
		WSW	,,	,,	
		,,	,,	,,	Raining; lightning in NNW.
		,,	,,	,,	
		,,	0·4	,,	Distant thunder about NW; raining.
		,,	,,	,,	Raining.
		,,	,,	,,	Distant thunder; raining.
		SW	,,	,,	
		WSW	,,	,,	
29·582	77·4	,,	,,	,,	Raining.
		,,	0·3	,,	
		,,	,,	,,	
		N	,,	,,	
		,,	,,	,,	Overcast with ∿∿; rain ceased.
		,,	,,	,,	
29·594	77·8	,,	,,	,,	
29·574	78·2	Calm.	0·0	8/8	Overcast; light rain falling.
		,,	,,	,,	Thunder was heard at about 19s. after a flash of lightning.
		,,	,,	,,	
		,,	,,	,,	No thunder nor lightning.
		,,	,,	,,	Thunder was heard 19s. after a flash of lightning.
29·568	79·2	,,	,,	,,	A shower of rain commenced.
		,,	,,	,,	Raining.
		,,	,,	,,	
		,,	,,	,,	Light rain.
		,,	,,	,,	Drizzling rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Light drizzle; the moon dimly shining through clouds.
		,,	,,	,,	
29·656	79·5	S	0·1	,,	
		,,	,,	,,	Thunder was heard at about 28s. after a flash.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining lightly.
		,,	,,	,,	
29·663	79·2	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning and rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0.0	,,	
		,,	,,	,,	Overcast; heavy rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Light rain.
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. A. M.	In.	Sp. Sec.	H. M.
17th June.	From 2h 16m A. M. to 10h 0m A. M.	Neg.	Out of Range.	Out of Range.	5	Inst.	.40½	0.07	2 in 1	
					8	„	.42½	.10	A spark.	
					6	„	.44	.08	3 in 2	
					6	„	.46	.07	3 „ 2	
				55		0.11	.50			
				80		.05	.55½	.02	1 „ 2	
				Out of Range.	2	.01	.57½	.03	1 „ 2	
				50		.09	.59			
30th June.	From 6h 18m P. M. to 8h 46m			Out of Range.	4	Inst.	P. M. 6.18	0.05	1 in 1	
					2	„	·20½	.04	2 „ 3	
					4	„	.22	.06	A spark.	
					4	„	.23	.05	1 in 1	6.23
					3	„	.25	.04	A spark.	
					2	„	.27	.03	A spark.	
				30		0.02	·23½			
					2	Inst.	.24½	.02	2 in 1	
				60		0.03	.26	.02	1 „ 1	
				20		0.11	.40			
				10		0.20	.50			
				Out of Range.	8	Inst.	7.29	.10	2 „ 3	
					6	„	.31	.08	2 „ 3	
					2	„	.33	.03	1 „ 1	
					3	„	.35½	.05	1 „ 2	
					4	„	.39	.06	1 „ 1	
					7	„	.43	.09	2 „ 1	
					8	„	.47	.09	2 „ 1	
					7	„	.49	.08	1 „ 1	
					5	„	.53¼	.07	2 „ 1	
					7	„	.57	.10	2 „ 1	
					9	„	8.01	.10	4 „ 1	8.01
					4	„	.05	.06	3 „ 1	
					6	„	.09½	.08	2 „ 1	
					6	„	.12½	.08	3 „ 1	
					4	„	.18	.06	3 „ 2	
					2	„	.22	.03	1 „ 2	
					2	„	.28	.03	1 „ 1	
					1	0.01	.46	.03	1 „ 3	
4th July.	From 9h 28m P. M. to 9h 54m P. M.				9	Inst.	P. M. 9.28	0.10	3 in 1	9.28
					8	„	.30	.10	3 „ 2	
					7	„	.33	.10	3 „ 2	
					6	„	.37	.08	2 „ 1	
					6	„	.38	.09	1 „ 1	
					6	„	.40	.05	5 „ 1	
					4	„	.43	.05	3 „ 2	
					4	„	.45	.05	2 „ 1	
					4	„	.46½	.06	1 „ 1	
					3	„	.51½	.05	1 „ 1	
				20		1.00	.54			
5th July.	From 5h 15m A. M. to 6h 03m A. M.			Out of Range.	5	Inst.	5.15	0.07	Often	5.15
					4	„	6.00	.06	2 in 1	
				60		0.07	6.03		A spark.	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		Calm.	0.0	cto	Light rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Drizzling rain.
		,,	,,	,,	
		,,	,,	,,	
29·652	79·0	,,	,,	,,	
29.561	83.4	Calm.	0.0	cto	Overcast; drizzling rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; heavy rain commenced falling.
		,,	,,	,,	
29.699	81.0	,,	,,	,,	Overcast; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; heavy rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.610	80.0	,,	,,	,,	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; drizzling rain.
		,,	,,	,,	
29.600	83.4	W b S	0.1	cto	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.603	85.0	,,	,,	,,	
29.602	78.4	S b E	,,	,,	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity of Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
26th July.		Neg.	Out of Scale.	Out of Scale.	5	Inst.	1.24	0.06	2 in 1	1.24
					3	„	.27	.06	1 „ 1	
					3	„	.29	.04	2 „ 3	
					2	„	.30	.03	2 „ 3	
					1	„	.31	.02	1 „ 1	
29th Sept.	From $5^h\ 25^m$ P. M. to $5^h\ 39^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	5.25	0.10	1 in 1	
					5	„	.25	.11	1 „ 3	
					6	„	.27	.11	2 „ 3	
					6	„	.28	.12	1 „ 2	5.28
					5	„	.29	.11	2 „ 1	
					5	„	.30	.10	1 „ 1	
					4 to 6	„	.31	.11	1 „ 1	
					4	„	.32	.10	A spark.	
					2	„	.33	.03	2 in 1	
					2	„	.34	.02	1 „ 1	
					5	„	.35	.02	A spark.	
			12	10		0.01	.37			
			6			0.04	.38			
			0	0	0		.39			
	From $5^h\ 55^m$ P. M. to $11^h\ 46^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	5.55	0.10	2 in 1	
					5	„	.57	.09	2 „ 1	
					5	„	6.00	.09	2 „ 3	6.00
					3	„	.05	.08	2 „ 13	
					3	„	.10	.08	1 „ 5	
					2	„	.15		A spark	
			10	10		0.10	.16			
			2			.05	.16			
			Out of Scale.	60		.02	.17	.01	1 in 1	
				90		.01	.19		1 „ 1	
				Out of Scale.	2	Inst.	.20	.05	2 „ 1	
				„	3	„	.23	.05	2 „ 1	6.23
				„	2	„	.25	.04	2 „ 5	
				„	2	„	.30	.04	2 „ 5	
				30			.35			
				30		.02	6.42			
				50		.04	.47			
				50		.05	.52			
				35		.08	.57			
							7.00			
				Out of Scale.	2	Inst.	9.54	.07	3 in 2	
				„	4	„	.56	.09	2 „ 1	
				„	3	„	.58	.07	1 „ 1	
				„	5	„	10.00	.11	2 „ 1	10.00
				„	4	„	.02	.05	2 „ 1	
				„	4	„	.05	.05	2 „ 1	
				„	3	„	.06	.08	1 „ 1	
				„	4	„	.09	.07	3 „ 2	
				„	3	„	.13	.06	2 „ 1	
				„	3	„	.15	.05	1 „ 1	
				„	4	„	.17	.07	1 „ 3	
				„	2	„	.20	.05	A spark	
			30	00	0	0.20	.24			
			Out of Scale.	Out of Scale.	1	Inst.	.25		A spark	
			„	„	2	„	.26	.04	2 „ 1	

Distant peals of thunder were heard after 3 P. M., when the sky became densely clouded with ∿ı ; a few patches of rain clouds were observed here and there ; it became densely clouded with ∿ı after 4, and light rain commenced to fall.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29.664	77.6	W	0.2	8/8	Overcast; rain ceased.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.692	82.5	NW	0.1	7/8	Raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; a break in NE.; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	0.1	6/8	Nearly overcast; a break in NE.
29.717	81.6	,,	,,	,,	Raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm	0.0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Raining; lightning in SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Nearly overcast; drizzling rain.
		,,	,,	,,	
		,,	,,	,,	
29.735	81.0	,,	,,	,,	[few minutes before 9h. 52m.
		NW	0.8	8/8	Smart gusts of wind, accompanied with lightning and thunder, a
		,,	0.5	,,	
		,,	0.5	,,	Raining very heavily.
.794	76.0	,,	0.2	,,	Rain moderated; wind abated.
		,,	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	Light air blowing; rain in drops.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Rain commenced; thunder in N.
		Calm	0.0	,,	Raining; lightning in N and NE.
		,,	,,	,,	Lightning in N; raining.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Date.	Bombay Mean Solar Time, or Limits of Time, 1856.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
29TH SEPT.	From $5^h\ 55^m$ P. M. to $11^h\ 46^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	10·27	0.06	1 in 1	8·25
			,,	,,	4	,,	·29	0.07	2 ,, 3	
			,,	,,	3	,,	·31	0.05	2 ,, 1	
			,,	,,	4	,,	·33	0.06	3 ,, 1	
			,,	,,	3	,,	.35	0.05	1 ,, 2	
			,,	,,	3	,,	.40	0.05	2 ,, 3	
			,,	,,	3	,,	·41	0.05	1 ,, 4	
			,,	,,	3	,,	·44	0.04	1 ,, 4	
			,,	,,	4	,,	·50	0.04	1 ,, 5	
			,,	,,	7 to 10	,,	·53	0.05	1 ,, 2	10.5
			,,	,,	10	,,	.55	.00	1 ,, 2	
			7	00		0·26	11·00			
			20	18		0·15	11·33			
			Out of Scale.	35		0·02	11·35			
			,,	50		0.01	11·37			
			,,	50		0,04	11·42	0.01	A spark.	
			,,	55		0.13	11·46	0.01	A spark.	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1856.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In,	°		lbs.		
29.794	76.0	Calm.	0·0	0·0	Lightning in N of zth.
		"	"	"	Continuous lightning in N; raining lightly.
		"	"	"	
		"	"	"	Distant thunder in W; continuous lightning.
		"	"	"	Low rumbling thunder in W; lightning in N.
		"	"	"	Lightning in N.
		"	"	"	Lightning in N and NW; thunder in W.
		"	"	"	
		"	"	"	Lightning in NNW.
		"	"	"	
		"	"	"	
29.769	76.4	"	"	"	Raining lightly; continuous lightning in WNW.
		"	"	"	Lightning in S and W; raining lightly.
		"	"	"	
		"	"	"	Low rumbling thunder in W; lightning in W and NW.
		"	"	"	Continuous lightning in W; raining lightly.
		"	"	"	

BOMBAY MAGNETICAL OBSERVATORY.

ABSTRACTS OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1856.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological elements are comprised under this head:—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Barometers is 0·013 in., which remains nearly constant, consequently the observations of Barometer No. 48 are not printed, nor any results found from them, except the mean monthly values of the same in Table V., which will show, at a glance, the movements of them both. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, which were placed in situations differing from one another, in order that all the changes which the temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperature of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of a cubic foot of Air; Weight of Water in a cubic foot of Air; Water required for complete saturation of a cubic foot of Air; quantity of Water actually evaporated in the atmosphere. Of all these, the only one actually observed has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the Introduction to this Part.

Direction and Force of Wind.—This element has been deduced from the self-registered curves of Osler's Wind Anemometer and Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds at different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

STANDARD BAROMETER.

The following Results have been deduced from the observations of Barometer No. 58; the other Barometer, No. 48, which showed simultaneous curves with the former, is dispensed with as unnecessary.

No days were considered as abnormal in reducing the Barometric Results.

TABLE I.—*Mean Height of Standard Barometer (No. 58) corrected for Temperature for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	29·957	29·866	29·917	29·822	29·786	29·524	29·583	29·613	29·745	29·824	29·856	
2	·967	·920		·812	·757		·563	·638	·744	·848		29·903
3	·957		·936	·843	·741	·623	·548		·765	·819	·881	·903
4	·998	·966	·937	·878		·706	·582	·689	·805	·780	·879	·932
5	·989	·927	·915	·839	·775	·763	·585	·725			·907	·949
6		·911	·866		·765	·778		·746	·815	·740	·908	·977
7	30·011	·909	·863	·804	·766	·700	·672	·784		·735	·909	
8	·023	·902	·865	·760	·744		·693	·769	·864	·755	·898	·971
9	·051	·915		·751	·736	·569	·674	·756	·860	·767		·945
10	·068		·816	·755	·761	·567	·651		·831	·751	·944	·925
11	·023	·933	·862	·748		·632	·606	·707	·818	·759	·943	·924
12	·011	·912	·835	·720	·734	·661	·561	·712	·836		·916	·922
13		·944	·765		·755	·617		·724	·824	·841	·927	·955
14	29·993	·962	·780	·755	·782	·618	·593	·713		·863	·924	
15	30·009	·955	·839	·765	·750		·582		·729	·886	·902	·907
16	·051	·957		·812	·753	·652	·574	·711	·731	·890		·905
17	·056		·852	·832	·751	·622	·593		·773	·867	·913	·881
18	·030	·937	·839	·796		·623	·597	·688	·811	·864	·886	·893
19	29·974	·943	·832	·760	·760	·686	·596	·684	·815		·854	·916
20		·948	·799		·710	·728		·684	·798	·831	·844	·974
21	30·034	·951		·749	·710	·721	·619	·653		·847	·833	
22	29·970	·916		·753	·715		·627	·659	·843	·875	·790	·949
23	·944	·906		·786	·675	·709	·608	·669	·858	·900		·997
24	·916	·897	·812	·781		·667	·592		·825	·906	·888	·976
25	·958		·784	·767		·660	·663	·743	·788	·891	·918	·936
26	·949	·909	·780	·791	·672	·636	·655	·728	·794		·934	·930
27		·862	·749		·694	·602		·742	·799		·929	
28	·905	·890	·782	·790	·694	·602	·588	·756		·900	·909	
29	·912	·911	·799	·802	·630		·653	·717	·742	·887	·913	·913
30	·944			·779	·528	·601	·634	·682	·770	·833	·913	·923
31	·902		·813		·530		·589	·703		·829		·900

TABLE II.—*Showing the number of Times in each Month of the Year* 1856 *in which the difference between the Mean Daily Heights of Barometer No.* 58 *on two consecutive days was within certain limits.*

The difference between the Mean Daily Heights of two consecutive days.	Number of cases in												Whole number of cases in the Year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
in.													
Greater than 0·01 and less than 0·02	8	5	7	6	4	3	7	8	6	5	6	4	69
„ 0·02 „ 0·03	4	4	3	5	6	2	5	4	3	8	6	8	58
„ 0·03 „ 0·04	4	4	3	7	2	3	2	5	3	2	2	2	39
„ 0·04 „ 0·05	5	3	3	2	1	3	3	1	4	1	2	3	31
„ 0·05 „ 0·06	1	1	1		1			1	1	2		1	9
„ 0·06 „ 0·07	2				1	3	2		1				9
„ 0·07 „ 0·08			1			2	1	1					5
„ 0·08 „ 0·09							1			1	1		2
„ 0·09 „ 0·10									1				2
„ 0·10 „ 0·20					1	2							3
Whole number of cases during each month..	24	17	18	20	16	81	21	20	19	19	17	18	227

It appears from this table that there were 227 instances in which the differences between the two consecutive days was greater than 0·01 in. There were

197 in which the difference was greater than 0·01 and less than 0·05
27 „ „ „ 0·05 „ „ 0·10
3 „ „ „ 0·10 „ „ 0·20

TABLE III.—*Showing the Mean Height of Standard Barometer No.* 58 *for those Days in each Month on which the Barometer was highest and lowest; as well as the times of the Greatest and Least Differences between the Mean Daily Heights of Barometer on two consecutive days.*

Months, 1856.	Mean Daily Height of Barometer in each Month.		Difference.	Day of the Month on which the Mean Daily Height of Barometer was		Difference between the Mean Daily Heights of Barometer on two consecutive days.		The day on which the Difference of the Mean Daily Heights was	
	Highest.	Lowest.		Highest.	Lowest.	Greatest.	Least.	Greatest.	Least.
	in.	in.	in.	D	D	in.	in.	between	between
January....	30·068	29·902	0·166	10	31	−0·064	+0·007	21 & 22	28 & 29
February ..	29·966	·866	·100	4	1	+·054	+ ·002	1 & 2	15 & 16
March	·937	·749	·188	4	27	− ·070	+ ·002	12 & 13	7 & 8
April	·878	·720	·158	4	12	+·047	+ ·004	15 & 16	9 & 10 / 21 & 22
May	·786	·528	·258	1	30	− ·102	+ ·000	29 & 30	20 & 21 / 27 & 28
June	·778	·524	·254	6	1	− ·131	+ ·000	7 & 9	27 & 28
July	·693	·548	·145	8	3	+·087	− ·001	5 & 7	18 & 19
August	·784	·613	·171	7	1	+·074	+ ·000	23 & 25	19 & 20
September..	·864	·729	·135	8	15	− ·091	− ·001	13 & 15	1 & 2
October....	·906	·735	·171	24	7	+·082	− ·003	11 & 13	17 & 18
November ..	·944	·790	·154	10	22	+·098	·000	22 & 24	29 & 30
December ..	·997	·881	·116	23	17	+·058	·000	19 & 20	2 & 3

The greatest difference between the mean daily heights of Barometer on two consecutive days occurred between the 7th and 9th of June; it also appears from this and the foregoing table that the difference of two consecutive days was smaller in April and November than in any other month.

This table also shows that the mean highest and lowest readings of Barometer were gradually decreasing from January to July, and then were increasing to the close of the year.

The time of the lowest mean height occurs about the middle or the close of the month, and the time of the highest mean about the beginning of the month.

The differences of the highest and lowest means in each month were large in May and June and small in February.

TABLE IV.—*Showing the Highest and Lowest Readings of Standard Barometer (No. 58) in simple Hourly Observations, in each Month of the Year 1856, corrected for Temperature.*

Months, 1856.	Readings of Barometer in each Month.		Range.	Day on which the Reading of Barometer was	
	Highest.	Lowest.		Highest.	Lowest.
	in.	in.	in.	D. H.	D. H.
January	30·136	29·831	0·305	10 8 A. M.	31·5 P. M.
February	·059	·811	·248	4 9 „	1·3 „
March	·013	·669	·344	3 10 „	13·4 „
April	29·974	·664	·310	4 10 „	19·4 „
May	·862	·439	·423	1 9 „	30·4 „
June	·839	·468	·371	6 9 „	1·5 „
July	·732	·509	·223	8 10 „	3·4 A. M.
August	·827	·549	·278	7 11 „	1·3 „
September	·921	·673	·248	8 10 „	29·3 P. M.
October	·974	·684	·290	29 9 „	6·4 „
November	30·031	·736	·295	11 9 „	22·3 „
December	·068	·839	·229	23 10 „	17·4 „

During this year the Barometer has fluctuated between 30·14 and 29·43 in. The highest readings of Barometer, in each month, were above 29·73 in., and below 30·14 in. The lowest readings were above 29·43, and below 29·84 in.

In the winter months the Barometer was generally high, and read above 29·97 in., the highest reading being on the 10th of January at 8 A. M. The lowest reading of Barometer occurred on the 30th of May at 4 P. M. In the summer months the Barometer was generally low, and read between 29·4 and 29·9 in.

The extreme annual difference was 0·697 in., being the difference between the highest and lowest readings during this year, being about 0·023 higher than the normal mean value.

TABLE V.—*Showing, for each Month, the Mean Heights of Standard Barometers (Nos. 58 and 48), and their excess above the Monthly Mean of ten Years.*

Months, 1856.	Mean Height of Standard Barometer		Difference from the Mean of Ten Years.	
	No. 58.	No. 48.	No. 58.	No. 48.
	in.	in.	in.	in.
January	29·985	29·999	− 0·050	+0·051
February	·922	·935	+ ·012	+ ·012
March	·835	·848	− ·027	− ·027
April	·787	·800	− ·005	− ·005
May	·718	·731	− ·029	− ·029
June	·651	·664	− ·092	− ·092
July	·610	·624	− ·032	− ·032
August	·707	·721	− ·011	− ·010
September	·799	·812	+ ·029	+ ·031
October	·834	·847	+ ·014	+ ·014
November	·897	·910	+ ·003	+ ·003
December	·932	·946	+ ·011	+ ·012

FOR SEASONS.

	No. 58.	No. 48.
	in.	in.
Winter	29·901	29·914
Summer	29·712	29·725
Yearly Mean	29·806	29·819

Greatest Monthly Mean in January being	29·985 in.
Least Monthly Mean in July being	29·624 in.
Difference between the highest and lowest Monthly Mean was	0·361 in.

The difference between the two Barometers, ranges between 0·012 and 0·014 in.; but 0·013 is the assumed difference of the two Barometers.

The mean monthly reading of Barometer in each month of this year did not fluctuate more than 0·1 in. from the normal value of the last ten years.

TABLE VI.—*Daily Range of Standard Barometer (No. 58) corrected for Temperature, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·161	0·130	0·112	0·161	0·142	0·105	0·077	0·116		0·111	0·101	
2	·136	·121		·131	·167		·089	·096	0·082	·115		0·097
3	·123		·135	·153	·119	·160	·077		·083	·120	·143	·119
4	·109	·155	·089	·164		·078	·105	·082	·102	·142	·123	·120
5	·128	·157	·142	·148	·110	·076	·076	·101	·096		·118	·104
6		·135	·157		·116	·106		·107	·089	·117	·118	·126
7	·154	·123	·124	·133	·114	·093	·093	·127		·104	·109	
8	·117	·103	·159	·122	·115		·086	·083	·108	·106	·118	·140
9	·109	·113		·114	·112	·120	·068	·080	·091	·133		·140
10	·103		·113	·119	·102	·094	·080		·090	·129	·125	·133
11	·119	·106	·103	·148		·119	·102	·069	·091	·114	·151	·121
12	·136	·127	·142	·140	·111	·099	·070	·074	·097		·127	·114
13		·125	·192		·104	·095		·087	·121	·104	·145	·102
14	·123	·112	·120	·125	·077	·091	·105	·090		·122	·142	
15	·119	·127	·149	·105	·126		·073		·080	·117	·117	·111
16	·129	·117		·119	·109	·077	·084	·093	·101	·129		·109
17	·138		·149	·147	·098	·073	·105		·098	·128	·134	·113
18	·151	·131	·151	·171		·092	·071	·077	·092	·115	·137	·111
19	·159	·130	·152	·180	·144	·118	·086	·083	·071		·103	·112
20		·121	·126		·161	·067		·088	·098	·106	·122	·128
21	·129	·124		·116	·155	·074	·061	·094		·103	·112	
22	·134	·135		·096	·148		·051	·095	·117	·100	·126	·112
23	·130	·125		·109	·132	·071	·056	·086	·103	·117		·120
24	·101	·132	·126	·135		·066	·086		·124	·119	·114	·137
25	·110		·090	·112		·059	·115	·086	·122	·132	·116	·126
26	·134	·143	·107	·108	·107	·103	·087	·082	·121		·122	·101
27		·119	·131		·101	·105		·107	·116		·140	
28	·147	·107	·098	·139	·191	·105	·125	·106		·122	·132	
29	·114	·139	·124	·130	·144		·091	·132	·121	·151	·121	·082
30	·122			·143	·167	·084	·094	·087	·109	·133	·119	·111
31	·160		·133		·084		·074	·082		·130		·123

TABLE VII.—*Showing the Greatest and Least Ranges of Standard Barometer (No. 58) in each Month; as well as the Mean Diurnal Range for each Month.*

Months, 1856.	Mean Diurnal Range.	Range of Standard Barometer in each Month.		Difference.	The Day on which the Daily Range of Barometer was	
		Greatest.	Least.		Greatest.	Least.
	in	in.	in.	in.	D.	D.
January	0·129	0·160	0·101	0·059	31	24
February	·126	·157	·103	·054	5	8
March	·130	·192	·089	·103	13	4
April	·133	·180	·096	·084	19	22
May	·124	·167	·077	·090	2 & 30	14
June	·097	·160	·059	·101	3	25
July	·085	·125	·051	·074	28	22
August	·093	·132	·069	·063	29	11
September	·101	·124	·071	·053	24	19
October	·120	·151	·100	·051	29	22
November	·121	·151	·101	·050	11	1
December	·116	·140	·082	·058	8 & 9	29
Summer	0·106	0·180	0·051	0·129	19 April.	22 July.
Winter	·124	·192	·082	·110	13 March.	29 Dec.

The difference of the highest and lowest ranges in the year was 0·141 in., which was about 0·03 in. higher than the difference for the last year.

TABLE VIII.—*Showing the number of instances, in each Month of the Year* 1856, *in which the Daily Range of Barometer was within certain limits.*

The Diurnal Range was	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole number of instances in the Year.
in. Greater than 0·01 and less than in. 0·02													
„ 0·02 „ 0·03													
„ 0·03 „ 0·04													
„ 0·04 „ 0·05													
„ 0·05 „ 0·06						1	2						3
„ 0·06 „ 0·07						2	2	1					5
„ 0·07 „ 0·08					1	6	7	2	1				17
„ 0·08 „ 0·09			1		1	1	7	11	4			1	26
„ 0·09 „ 0·10			2	1	1	6	3	5	8			1	27
„ 0·10 „ 0·11	4	3	2	3	5	5	4	4	5	6	3	4	48
„ 0·11 „ 0·12	5	4	2	5	7	2	1	1	2	8	8	8	53
„ 0·12 „ 0·13	6	8	5	2	1	1	1	1	5	6	7	7	50
„ 0·13 „ 0·14	6	7	3	5	2			1		4	3	2	33
„ 0·14 „ 0·15	1	1	4	5	3					1	4	2	21
„ 0·15 „ 0·16	4	2	4	1	1					1	1		14
„ 0·16 „ 0·17	1			2	3	1							7
„ 0·17 „ 0·18				1									1
„ 0·18 „ 0·19				1									1
„ 0·16 „ 0·20			1		1								2
Whole number of cases in each month	27	25	24	26	26	25	27	26	25	26	26	25	308

This table shows that there were 308 instances in which the range was greater than 0·05 in.
There were 25 days during the year in which the range was greater than 0·15 in. and less than 0·20.
205 days in which the range was greater than 0·10 in. and less than 0·15 in.
78 „ „ „ 0·05 „ 0·10 in.
In no case was the range of the daily readings greater than 0·20 in.

TABLE IX.—*Mean Height of Standard Barometer (No.* 58) *corrected for Temperature, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Bombay Civil Time.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	29·989	29·928	29·839	29·789	29·728	29·658	29·616	29·716	29·801	29·835	29·897	29·930	Midnight.
1 A. M.	·983	·917	·827	·776	·716	·639	·605	·698	·783	·820	·885	·922	1 A. M.
2 „	·969	·903	·817	·765	·704	·628	·577	·683	·769	·811	·875	·911	2 „
3 „	·961	·894	·809	·758	·698	·622	·580	·675	·762	·806	·870	·902	3 „
4 „	·962	·894	·812	·761	·704	·623	·580	·677	·764	·808	·876	·905	4 „
5 „	·965	·904	·825	·774	·714	·627	·588	·685	·780	·822	·884	·916	5 „
6 „	·985	·920	·844	·798	·732	·644	·605	·699	·797	·840	·906	·934	6 „
7 „	30·014	·947	·869	·824	·750	·661	·618	·718	·818	·869	·931	·958	7 „
8 „	·043	·971	·892	·847	·766	·676	·632	·736	·837	·887	·953	·984	8 „
9 „	·059	·991	·905	·856	·770	·686	·637	·742	·846	·898	·967	·996	9 „
10 „	·054	·990	·902	·852	·766	·688	·643	·749	·846	·892	·958	·991	10 „
11 „	·031	·973	·883	·840	·757	·683	·639	·742	·839	·870	·936	·971	11 „
Noon.	29·996	·942	·856	·820	·740	·671	·629	·728	·819	·842	·907	·938	Noon.
1 P. M.	·965	·912	·825	·782	·713	·659	·616	·712	·792	·813	·874	·909	1 P. M.
2 „	·944	·887	·802	·754	·691	·642	·604	·693	·773	·791	·854	·887	2 „
3 „	·934	·874	·784	·737	·671	·628	·590	·679	·760	·780	·844	·884	3 „
4 „	·936	·870	·777	·725	·659	·614	·582	·671	·763	·784	·847	·886	4 „
5 „	·942	·876	·783	·732	·659	·614	·583	·674	·769	·796	·858	·896	5 „
6 „	·954	·887	·795	·747	·673	·628	·593	·686	·784	·808	·871	·913	6 „
7 „	·975	·908	·812	·765	·695	·643	·604	·698	·799	·830	·891	·934	7 „
8 „	·998	·929	·833	·783	·718	·659	·618	·717	·815	·849	·907	·950	8 „
9 „	30·050	·939	·846	·794	·733	·669	·628	·730	·826	·856	·914	·956	9 „
10 „	·041	·942	·851	·802	·741	·676	·636	·736	·828	·855	·915	·953	10 „
11 „	29·997	·936	·844	·798	·735	·673	·630	·731	·817	·848	·906	·946	11 „

TABLE X.—*Showing the Hours of Bombay Civil Time at which the Greatest and Least Heights of Barometer No. 58 occur in different Months, as inferred from the Monthly Means of the Hourly Observations, with the actual Heights and Amounts of Changes in the Year* 1856.

Months, 1856.	Hours of the		Mean Height of the Barometer.		Interval of Time between the 1st Maximum and 1st Minimum.	Difference between the Mean Heights of 1st Maximum and 1st Minimum.	Hours of the		Mean Height of the Barometer.		Interval of Time between the 1st Minimum and 2nd Maximum.	Difference between the Mean Heights of 1st Minimum and 2nd Maximum.	Interval of Time between the 2nd Maximum and 2nd Minimum.	Difference between the Mean Heights of 2nd Maximum and 2nd Minimum.	Interval of Time between the 1st Maximum and 2nd Minimum.	Difference between the Mean Heights of 1st Maximum and 2nd Minimum.	Interval of Time between the 1st Minimum and 2nd Maximum.	Difference between the Mean Heights of 1st Minimum and 2nd Maximum.	Interval of Time between the 1st Minimum and 2nd Minimum.	Difference between the Mean Heights of 1st Minimum and 2nd Minimum.
	First or Morning Maximum.	First or Morning Minimum.	First Maximum.	First Minimum.			Second or Evening Maximum.	Second or Evening Minimum.	Second Maximum.	Second Minimum.										
	H. A.M.	H. A.M.	in.	in.			H. P.M.	H. P. M.	in.	in.	H.	in.	H.	in.	H.	in	H.	in.		
January....	9	3	30·059	29·961	6	0·098	9	3	30·059	29·934	12	0·009	6	0·116	6	0·125	18	0·089	12	0·027
February ..	9	3 & 4	29·991	·894	6 or 5	·097	10	4	29·942	·870	13	·049	6	·072	7	·121	19 or 18	·048	13 or 12	·024
March	9	3	·905	·809	6	·096	10	4	·851	·777	13	·054	6	·074	7	·128	19	·042	13	·032
April	9	3	·856	·758	6	·098	10	4	·802	·725	13	·054	6	·077	7	·131	19	·044	13	·033
May	9	3	·770	·698	6	·072	10	4 & 5	·741	·659	13	·029	6 or 7	·082	7 or 8	·111	19	·043	13 or 14	·039
June	10	3	·688	·622	7	·066	10	4 & 5	·676	·614	12	·012	6 or 7	·062	6 or 7	·072	19	·054	13 or 14	·008
July	10	2	·643	·577	8	·066	10	4	·636	·582	12	·007	6	·054	6	·061	20	·059	14	·005
August	10	3	·748	·675	7	·073	10	4	·736	·671	12	·012	6	·065	6	·077	19	·061	13	·004
September ...	9& 10 A.M.	3	·846	·762	6 or 7	·084	10	3	·828	·760	13 or 12	·018	5	·068	6 or 5	·086	19	·066	12	·002
October	9	3	·898	·806	6	·092	9	3	·856	·780	12	·042	6	·076	6	·188	18	·050	12	·026
November ..	9	3	·967	·870	6	·097	10	3	·915	·844	13	·052	7	·071	6	·123	19	·045	12	·026
December ..	9	3	·996	·902	6	·094	9	3	·956	·884	12	·040	6	·072	6	·112	19	·054	12	·014
	A. M.	A.M.					P.M.	P. M.												
Summer ..	10	3	29·759	29·682	7	0·076	10	4	29·736	29·669	12	0·022	6	0·068	6	0·090	19	0·055	12	0·015
Winter	9	3	·969	·874	6	·096	10	3	·928	·848	13	·041	6	·080	6	·121	19	·054	..	·026

It appears from this table that the first maximum which happened after 9 A. M., or between 9 and 10 A. M., was greater than the second maximum which occurs generally at 10 P. M. The second minimum was smaller than the first minimum, except in July, when the case was contrary. The first maxima and second minima are consequently assumed to be the greatest and smallest, a fact which perfectly corresponds with the preceding years. The mean difference between the first maxima and second minima is 0·105 in.

TABLE XI.—*Showing, for the Year* 1856, *the Mean Height of Standard Barometer* (*No.* 58) *in Summer and Winter.*

Bombay Civil Time.	Mean Height of Standard Barometer in		Mean Annual Height for each Hour.	Bombay Civil Time.	Mean Height of Standard Barometer in		Mean Annual Height for each Hour.
	Summer.	Winter.			Summer.	Winter.	
	in.	in.	in.		in.	in.	in.
6 A. M.	29·712	29·905	29.808	6 P. M.	29·685	29·871	29·778
7 „	·731	·931	·831	7 „	·701	·892	·796
8 „	·749	·955	·852	8 „	·718	·911	·814
9 „	·756	·969	·863	9 „	·730	·927	·828
10 „	·751	·964	·857	10 „	·736	·926	·831
11 „	·750	·944	·847	11 „	·731	·913	·822
Noon.	·735	·913	·824	Midnight.	·718	·903	·810
1 P. M.	·712	·883	·797	1 A. M.	·703	·892	·796
2 „	·693	·861	·777	2 „	·688	·881	·784
3 „	·678	·850	·764	3 „	·682	·874	·778
4 „	·669	·850	·759	4 „	·685	·876	·780
5 „	·672	·858	·765	5 „	·695	·886	·790
Day.	29·717	29·907	29·812	Night.	29·706	29·896	29·801

The following particulars have been derived from this table :—

	Summer.	Winter.
The time of first minimum	3 A. M.	3 A. M.
„ second minimum	4 P. M.	3 or 4 P. M.
„ first maximum	9 A. M.	9 A. M.
„ second maximum	10 P. M.	9 P. M.
Extreme range was	0·087 in.	0·119 in.
Range of first maxima and first minima	0·074 in.	0·095 in.
Range of second maximum and second minimum	0·067 in.	0·077 in.

TABLE XII.—*Mean Amount of Changes of Standard Barometer (No. 58) in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight & 1 A. M.	−0·006	−0·011	−0·012	−0·013	−0·012	−0·019	−0·011	−0·018	−0·018	−0·015	−0·012	−0·008
1 & 2 A. M.	− ·014	− ·014	− ·010	− ·011	− ·012	− ·011	− ·028	− ·015	− ·014	− ·009	− ·010	− ·011
2 & 3 „	− ·008	− ·009	− ·008	− ·007	− ·006	− ·006	+ ·003	− ·008	− ·007	− ·005	− ·005	− ·009
3 & 4 „	+ ·001	·000	+ ·003	+ ·003	+ ·006	+ ·001	·000	+ ·002	+ ·002	+ ·002	+ ·006	+ ·003
4 & 5 „	+ ·003	+ ·010	+ ·013	+ ·013	+ ·010	+ ·004	+ ·008	+ ·008	+ ·016	+ ·014	+ ·008	+ ·011
5 & 6 „	+ ·020	+ ·016	+ ·019	+ ·024	+ ·018	+ ·017	+ ·017	+ ·014	+ ·017	+ ·018	+ ·022	+ ·018
6 & 7 „	+ ·029	+ ·027	+ ·025	+ ·026	+ ·018	+ ·017	+ ·013	+ ·019	+ ·021	+ ·029	+ ·025	+ ·024
7 & 8 „	+ ·029	+ ·024	+ ·023	+ ·023	+ ·016	+ ·015	+ ·014	+ ·018	+ ·019	+ ·018	+ ·022	+ ·026
8 & 9 „	+ ·016	+ ·020	+ ·013	+ ·009	+ ·004	+ ·010	+ ·005	+ ·006	+ ·009	+ ·011	+ ·014	+ ·012
9 & 10 „	− ·005	− ·001	− ·003	− ·004	− ·004	+ ·002	+ ·006	+ ·006	·000	− ·006	− ·009	− ·005
10 & 11 „	− ·023	− ·017	− ·019	− ·012	− ·009	− ·005	− ·004	− ·006	− ·007	− ·022	− ·022	− ·020
11 & Noon.	− ·035	− ·031	− ·027	− ·020	− ·017	− ·012	− ·010	− ·014	− ·020	− ·028	− ·029	− ·038
Noon & 1 P. M.	− ·031	− ·030	− ·031	− ·038	− ·027	− ·012	− ·013	− ·016	− ·027	− ·029	− ·033	− ·029
1 & 2 „	− ·021	− ·025	− ·023	− ·028	− ·022	− ·017	− ·012	− ·019	− ·019	− ·022	− ·020	− ·027
2 & 3 „	− ·010	− ·013	− ·018	− ·017	− ·020	− ·014	− ·014	− ·014	− ·013	− ·011	− ·010	− ·003
3 & 4 „	+ ·002	− ·004	− ·007	− ·012	− ·012	− ·012	− ·008	− ·008	+ ·003	+ ·004	+ ·003	+ ·002
4 & 5 „	+ ·006	+ ·006	+ ·006	+ ·007	·000	− ·000	+ ·001	+ ·003	+ ·006	+ ·012	+ ·011	+ ·010
5 & 6 „	+ ·012	+ ·011	+ ·012	+ ·015	+ ·014	+ ·014	+ ·010	+ ·012	+ ·015	+ ·012	+ ·013	+ ·017
6 & 7 „	+ ·021	+ ·021	+ ·017	+ ·018	+ ·022	+ ·015	+ ·011	+ ·012	+ ·015	+ ·022	+ ·020	+ ·021
7 & 8 „	+ ·023	+ ·021	+ ·021	+ ·018	+ ·023	+ ·016	+ ·014	+ ·019	+ ·016	+ ·019	+ ·016	+ ·016
8 & 9 „	+ ·052	+ ·010	+ ·013	+ ·011	+ ·015	+ ·010	+ ·010	+ ·013	+ ·016	+ ·007	+ ·007	+ ·006
9 & 10 „	− ·009	+ ·003	+ ·005	+ ·008	+ ·008	+ ·007	+ ·008	+ ·006	+ ·002	− ·001	+ ·001	− ·003
10 & 11 „	− ·044	− ·006	− ·007	− ·004	− ·006	− ·003	− ·006	− ·005	− ·011	− ·007	− ·009	− ·007
11 & Midnight.	− ·008	− ·008	− ·005	− ·009	− ·007	− ·015	− ·014	− ·015	− ·016	− ·013	− ·009	− ·016

TABLE XIII.—*This Table is formed by taking the Means of the Numbers in the preceding Table without regard to their Signs, showing the character of the Changes during the Year* 1856.

Between what Hours.	Amount of Differences in Summer.	Character of Changes in Summer.	Between what Hours.	Amount of Differences in Winter.	Character of the Changes in Winter.
Midnight & 1 A. M.	0·015	Large fall of Barometric pressure.	Midnight & 1 A. M.	0.010	Moderate fall in the movement of Barometer.
1 & 2 A. M.	·015	Large fall.	1 & 2 A. M.	·011	„ „ „ „
2 & 3 „	·006	Small fall.	2 & 3 „	·006	Small fall.
3 & 4 „	·002	Very small rise, except in July.	3 & 4 „	·002	Very small rise.
4 & 5 „	·010	Moderate rise.	4 & 5 „	·010	Moderate rise, except in Jan.
5 & 6 „	·018	Large rise.	5 & 6 „	·019	Large rise.
6 & 7 „	·019	„ „	6 & 7 „	·027	Very large rise.
7 & 8 „	·018	„ „	7 & 8 „	·024	„ „
8 & 9 „	·007	Moderate rise.	8 & 9 „	·014	Moderate rise.
9 & 10 „	·004	Small rise, except in April and May.	9 & 10 „	·005	Small fall.
			10 & 11 „	·020	Large fall.
10 & 11 „	·007	Moderate fall.	11 & Noon.	·031	Very large fall.
11 & Noon.	·015	Large fall.	Noon & 1 P. M.	·030	„ „
Noon & 1 P. M.	·022	Very large fall.	1 & 2 „	·023	Large fall.
1 & 2 „	·019	Large fall.	2 & 3 „	·011	Moderate, except in March.
2 & 3 „	·015	„ „	3 & 4 „	·000	Very small rise, except in February and March.
3 & 4 „	·009	Moderate fall, except in Sept.			
4 & 5 „	·003	Very small rise, except in May and June.	4 & 5 „	·008	Moderate rise.
			5 & 6 „	·013	„ „
5 & 6 „	·013	Moderate rise.	6 & 7 „	·020	Large rise.
6 & 7 „	·015	„ „	7 & 8 „	·019	„ „
7 & 8 „	·018	Large rise.	8 & 9 „	·016	Moderate rise, except in Jan.
8 & 9 „	·012	Moderate rise.	9 & 10 „	·001	Rise in Feb. Mar. & Nov., and fall in Jan. Apr. and Dec.
9 & 10 „	·006	Small rise.			
10 & 11 „	·006	Small fall.	10 & 11 „	·013	Moderate fall, except in Jan.
11 & Midnight.	·013	Moderate fall.	11 & Midnight.	·010	Moderate fall, except in Oct. and Nov.

TABLE XIV.—*Showing the Mean Hourly Change of the Height of Standard Barometer (as obtained from the Observations of the last Nine Years* 1847—55 *inclusive).*

Bombay Civil Time.	Amount of Change.	Bombay Civil Time.	Amount of Change.	Bombay Civil Time.	Amount of Change.	Bombay Civil Time.	Amount of Change.
	in.	H.	in.		in.	H.	in.
Midnight.	0·003	6 A. M.	0·000	Noon.	0·019	6 P. M.	–0·028
1 A. M.	– ·011	7 „	·023	1 P. M.	– ·005	7 „	– ·012
2 „	– ·023	8 „	·044	2 „	– ·027	8 „	·005
3 „	– ·029	9 „	·057	3 „	– ·042	9 „	·018
4 „	– ·028	10 „	·056	4 „	– ·047	10 „	·021
5 „	– ·018	11 „	·042	5 „	– ·041	11 „	·015

It is evident from this table that the observations of Barometer taken at 6 A. M. differ but very little from the mean daily value. The same hour has been represented in the two preceding years as best for finding out the mean daily height of Barometer from single observation.

During the year 1856 the same combinations are used which were considered as best during the last year to find out the mean daily values.

TABLE XV.—*Showing the Approximation to the Mean Height of Barometer, for each Month, from various Combinations.*

Months, 1856.	Combinations of Observations taken at				Monthly Mean.	Differences of Combinations of Observations with the True Mean.			
	1 A. M. and 11 P. M.	2 A. M. and 9 P. M.	5 A. M. and 10 P. M.	8 A. M. and 4 P. M.		1 A. M. and 11 P. M.	2 A. M. and 9 P. M.	5 A. M. and 10 P. M.	8 A. M. and 4 P. M.
	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	29·990	30·000	30·003	29·999	29·985	0·005	0·015	0·018	0·014
February ..	·926	29·921	29·923	·920	·922	·004	– ·001	·001	– ·002
March	·835	·831	·838	·834	·835	·000	– ·004	·003	– ·001
April	·787	·779	·788	·786	·787	·000	– ·008	·001	– ·001
May	·725	·719	·727	·712	·718	·007	·001	·009	– ·006
June	·656	·648	·651	·645	·651	·005	– ·003	·000	– ·006
July	·617	·603	·612	·606	·610	·007	– ·007	·002	– ·004
August	·714	·706	·710	·703	·707	·007	– ·001	·003	– ·004
September ..	·800	·998	·804	·800	·799	·001	– ·001	·005	·001
October	·834	·833	·838	·835	·834	·000	– ·001	·004	·001
November ..	·895	·894	·899	·900	·897	–·002	– ·003	·002	·003
December ..	·934	·933	·934	·935	·932	·002	·001	·002	·000
Mean Difference for Summer					29·712	+0·004	–0·003	+0·003	–0·004
„ „ „ Winter.....					·901	+ ·001	+ ·001	+ ·005	+ ·002

It appears from this table that these combinations differ but very little from the true mean of each month.

The combination at 1 A. M. and 11 P. M. was generally high, being about 0·005 in. greater than the true mean.

The combination at 2 A. M. and 9 P. M. was generally lower than the true mean.

The combination at 5 A. M. and 10 P. M. was generally higher than the true mean, being about 0·004 in., except in January and August.

The combination at 8 A. M. and 4 P. M. was generally lower, being about 0·005 in., except in January and other winter months.

TABLE XVI.—*Excess of the Mean Hourly Height of Barometer No. 58 above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	0·004	0·006	0·004	0·002	−0·010	0·007	0·006	0·009	0·002	0·001	0·000	−0·002	Midnight.
1 A. M.	− ·002	− ·005	− ·008	− ·011	− ·002	− ·012	− ·005	− ·009	− ·016	− ·014	− ·012	− ·010	1 A. M.
2 „	− ·016	− ·019	− ·018	− ·022	− ·014	− ·023	− ·033	− ·024	− ·030	− ·023	− ·022	− ·821	2 „
3 „	− ·024	− ·028	− ·026	− ·029	− ·020	− ·029	− ·030	− ·032	− ·037	− ·028	− ·027	− ·030	3 „
4 „	− ·023	− ·028	− ·023	− ·026	− ·014	− ·028	− ·030	− ·030	− ·035	− ·026	− ·021	− ·027	4 „
5 „	− ·020	− ·018	− ·010	− ·013	− ·004	− ·024	− ·022	− ·022	− ·019	− ·012	− ·013	− ·016	5 „
6 „	·000	− ·002	·009	·011	·014	− ·007	− ·005	− ·008	− ·002	·006	·009	·002	6 „
7 „	·029	·025	·034	·037	·032	·010	·008	·011	·019	·035	·034	·026	7 „
8 „	·058	·049	·057	·060	·048	·025	·022	·029	·038	·053	·056	·052	8 „
9 „	·074	·069	·070	·069	·052	·036	·027	·035	·047	·064	·070	·064	9 „
10 „	·069	·068	·067	·065	·048	·037	·033	·041	·047	·058	·061	·059	10 „
11 „	·046	·051	·048	·053	·039	·032	·029	·035	·040	·036	·039	·039	11 „
Noon.	·011	·020	·021	·033	·022	·020	·019	·021	·020	·008	·010	·006	Noon.
1 P. M.	− ·020	− ·010	− ·010	− ·005	− ·005	·008	·006	·005	− ·007	− ·021	− ·023	− ·023	1 P. M.
2 „	− ·041	− ·035	− ·033	− ·033	− ·027	− ·009	− ·006	− ·014	− ·026	− ·043	− ·043	− ·045	2 „
3 „	− ·051	− ·048	− ·051	− ·050	− ·047	− ·023	− ·020	− ·028	− ·039	− ·054	− ·053	− ·048	3 „
4 „	− ·049	− ·052	− ·058	− ·062	− ·059	− ·037	− ·028	− ·036	− ·036	− ·050	− ·050	− ·046	4 „
5 „	− ·043	− ·046	− ·052	− ·055	− ·059	− ·037	− ·027	− ·033	− ·030	− ·038	− ·039	− ·036	5 „
6 „	− ·031	− ·035	− ·040	− ·040	− ·045	− ·023	− ·017	− ·021	− ·015	− ·026	− ·026	− ·019	6 „
7 „	− ·010	− ·014	− ·023	− ·022	− ·023	− ·008	− ·006	− ·009	·000	− ·004	− ·006	·002	7 „
8 „	·013	·007	− ·002	− ·004	·000	·008	·008	·010	·016	·015	+ ·010	·018	8 „
9 „	·065	·017	·011	·007	·015	·018	·018	·023	·027	·022	·017	·024	9 „
10 „	·056	·020	·016	·015	·023	·025	·026	·029	·029	·021	·018	·021	10 „
11 „	·012	·014	·009	·011	·017	·022	·020	·024	·018	·014	·009	·014	11 „

TABLE XVII.—*Mean Hourly Height of Barometer diminished by the Monthly Mean, as well as the Diurnal Change for each Hour, as obtained from the preceding Ten Years' Results.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	+0·001	0·003	0·001	−0·001	0·007	0·004	0·003	0·006	−0·001	−0·002	−0·003	−0·005	Midnight.
1 A. M.	·009	·006	·003	·000	·009	− ·001	·006	·002	− ·005	− ·003	− ·001	·001	1 A. M.
2 „	·007	·004	·005	·001	·009	·000	− ·010	− ·001	− ·007	·000	·001	·002	2 „
3 „	·005	·001	·003	·000	·009	·000	− ·001	− ·003	− ·008	·001	·002	− ·001	3 „
4 „	·005	·000	·005	·002	·014	·000	− ·002	− ·002	− ·007	·002	·007	·001	4 „
5 „	− ·002	·000	·008	·005	·014	− ·006	− ·004	− ·004	− ·001	·006	·005	·002	5 „
6 „	·000	− ·002	·009	·011	·014	− ·007	− ·005	− ·008	− ·002	·006	·009	·002	6 „
7 „	·006	·002	·011	·014	·009	− ·013	·015	− ·012	− ·004	·012	·011	·003	7 „
8 „	·014	·005	·013	·016	·004	− ·019	·022	− ·015	− ·006	·009	·012	·008	8 „
9 „	·017	·012	·013	·012	− ·005	− ·022	·030	− ·022	− ·010	·007	·013	·007	9 „
10 „	·013	·012	·011	·009	− ·008	− ·019	·023	− ·015	− ·009	·002	·005	·003	10 „
11 „	·002	·009	·006	·011	− ·003	− ·010	·013	− ·007	− ·002	− ·006	− ·003	− ·003	11 „
Noon.	− ·008	·001	·002	·014	·003	·001	·000	·002	·001	− ·011	− ·009	− ·013	Noon.
1 P. M.	− ·015	− ·005	− ·005	·000	·000	·013	·011	·010	− ·002	− ·016	− ·018	− ·018	1 P. M.
2 „	− ·014	− ·008	− ·006	− ·006	·000	·018	·011	·013	·001	− ·016	− ·016	− ·018	2 „
3 „	− ·009	− ·006	− ·009	− ·008	− ·005	·019	·022	·014	− ·003	− ·012	− ·011	− ·006	3 „
4 „	− ·002	− ·005	− ·011	− ·015	− ·012	·010	·019	·011	·011	− ·003	− ·003	− ·001	4 „
5 „	− ·002	·001	− ·011	− ·014	− ·018	·004	·014	·008	− ·011	·003	·002	·005	5 „
6 „	− ·003	− ·007	− ·012	− ·012	− ·017	·005	·011	·007	·013	·002	·002	·009	6 „
7 „	·002	− ·002	− ·011	− ·010	− ·011	·004	·006	·003	·012	·008	·006	·014	7 „
8 „	·008	·002	− ·007	− ·009	− ·005	·003	·003	·005	·011	·010	·005	·013	8 „
9 „	·047	− ·001	− ·007	− ·011	− ·003	·000	·000	·005	·009	·004	− ·001	·006	9 „
10 „	·035	− ·001	− ·005	− ·006	·002	·004	·005	·008	·008	·000	− ·003	·000	10 „
11 „	− ·003	− ·001	− ·006	− ·004	·002	·007	·005	·009	·003	− ·001	− ·006	− ·001	11 „

TABLE XVIII.—*Showing the Hourly Sums of the Numbers in the preceding Table of Diurnal Inequality during the Year* 1856.

Bombay Civil Time.	Hourly Sums in		Character of, and Changes in	
	Summer.	Winter.	Summer.	Winter.
	in.	in.		
Midnight.	+0·018	−0·005	Generally greater, except in April and September.	Variable.
1 A. M.	+ ·011	+ ·015	Generally greater, except in July and September.	,,
2 ,,	− ·003	+ ·019	Less, except in May.	Always greater.
3 ,,	+ ·005	+ ·012	Always less, except in April and May.	Greater, except in December,
4 ,,	+ ·004	+ ·020	,, ,, ,, ,, ,, ,,	Always greater.
5 ,,	+ ·005	+ ·019	,, ,, ,, ,, ,, ,,	Greater, except in January.
6 ,,	+ ·003	+ ·024	,, ,, ,, ,, ,, ,,	,, ,, ,, February.
7 ,,	+ ·009	+ ·045	Variable.	Always greater.
8 ,,	+ ·002	+ ·061	,,	,, ,,
9 ,,	− ·003	+ ·069	,,	,, ,,
10 ,,	− ·019	+ ·046	Less, except in July.	,, ,,
11 ,,	+ ·002	+ ·005	,, ,, ,,	Variable.
Noon.	+ ·021	− ·038	Always greater.	Less, except in February and March.
1 P. M.	+ ·032	− ·077	Greater, except in September.	Always less.
2 ,,	+ ·037	− ·078	,, ,, April.	,, ,,
3 ,,	+ ·045	− ·052	,, ,, April and May.	,, ,,
4 ,,	+ ·024	− ·024	,, ,, ,, ,,	Less, except in December.
5 ,,	+ ·005	− ·002	,, ,, ,, ,,	Greater, except in January and February.
6 ,,	+ ·007	− ·009	,, ,, ,, ,,	Variable.
7 ,,	+ ·004	+ ·017	,, ,, ,, ,,	Greater, except in February and March.
8 ,,	+ ·008	+ ·031	,, ,, ,, ,,	Greater, except in March.
9 ,,	+ ·000	+ ·047	,, ,, ,, ,,	Variable.
10 ,,	+ ·021	+ ·026	,, ,, April.	Less, except in January.
11 ,,	+ ·022	− ·018	,, ,, ,,	Always less.

TABLE XIX.—*Showing Monthly Sums of Diurnal Inequality Numbers in the Table XVII. without regard to the Signs of Numbers, as well as the Mean Monthly Inequality with its proper Signs.*

Months, 1856.	Monthly Sums of Inequality Table.	Mean Monthly Value of Diurnal Inequality.	Months, 1856.	Monthly Sums of Inequality Table.	Mean Monthly Value of Diurnal Inequality.
	in.	in.		in.	in.
April	0·195	+0·0000	October	0·143	+0·0000
May	·180	+ ·0005	November	·154	+ ·0003
June	·189	− ·0002	December	·142	+ ·0005
July	·241	+ ·0082	January	·222	+ ·0050
August	·192	+ ·0006	February	·091	+ ·0012
September	·147	+ ·0008	March	·180	+ ·0000
Summer	0·192	+0·0017	Winter	0·155	+0·0006

It appears from the two preceding tables that the atmospheric pressure in any particular month departs less from its true mean at sunset and in the morning than at any other hour; it departs most at about 9 A. M. and 1 P. M. from its mean state. The pressure of atmosphere seems to be most uniform during the night time, and subject to irregularity during the day time, a fact which is coincident with the experience of preceding years.

The numbers in the above table show, that in the month of July, the atmospheric pressure departed most from the true mean, whilst in February the diurnal motion of Barometer nearly agreed with the mean motion, a fact nearly coincident with last year's results.

TABLE XX.—*The Greatest and Least Heights of Standard Barometer in the Simple Hourly Observations during the Year* 1856.

THE GREATEST HEIGHT OF BAROMETER.

DATE AND TIME.		The Extreme Highest.	Average from the calculated Results.	Above the Average.
		in.	in.	in.
10 January	8 A. M.	30·136	30·031	0·105
17 January	9 „	·127	·064	·063
22 January	10 „	·050	·069	·083
3 March	10 „	·013	29·938	·075
4 April	10 „	29·974	·863	·111
17 April	9 „	·917	·862	·055
6 June	9 „	·839	·707	·132
20 June	10 „	·763	·693	·070
8 July	10 „	·732	·652	·080
8 September	10 „	·921	·825	·096
23 September	10 „	·916	·856	·060
16 October	9 „	·966	30·000	·066
24 October	9 „	·973	29·916	·057
11 November	9 „	30·031	·960	·071
6 December	9 „	·054	·987	·067
23 December	10 „	·068	30·007	·061

THE LEAST HEIGHT OF BAROMETER.

DATE AND TIME.		The Extreme Lowest.	Average from the calculated Results.	Below the Average.
		in.	in.	in.
19 January	3 P. M.	29·896	29·942	−0·046
24 January	3 „	·867	·952	− ·085
13 March	4 „	·669	·783	− ·114
27 March	3 „	·677	·753	− ·078
12 April	4 „	·642	·720	− ·078
1 June	5 „	·468	·635	− ·167
9 June	4 „	·515	·600	− ·085
14 June	2 A. M.	·572	·628	− ·056
3 July	4 „	·509	·598	− ·089
12 July	4 P. M.	·526	·585	− ·059
28 July	3 A. M.	·527	·619	− ·092
21 August	4 P. M.	·594	·689	− ·095
30 August	4 „	·637	·718	− ·080
16 September	3 A. M.	·680	·762	− ·082
30 September	4 „	·715	·786	− ·071
6 October	4 P. M.	·684	·783	− ·099
30 October	4 „	·765	·815	− ·050
22 November	3 „	·736	·854	− ·118
17 December	4 „	·839	·889	− ·050
31 December	3 „	·841	·892	− ·051

TEMPERATURE.

This element was observed hourly by six Thermometers, placed in the thermometer shed, which is covered with date leaves, and screened on all sides by bamboo matted frames.

1. Thermometer kept in free and open air.
2. Thermometer kept on the surface of ground.
3. Thermometer whose bulb is inserted 6 inches under the surface of ground.
4. Thermometer whose bulb is inserted 20 inches below the surface of ground.
5. Thermometer whose bulb is inserted 60 inches below the surface of ground.
6. Thermometer of the large horizontal force magnetometer, which is supposed best to indicate the temperature of air within the Magnetic Observatory.

No days were considered as abnormal in calculating the temperature results, though many days during the SW. Monsoon approximated the appearance of such.

TABLE XXI.—*Mean Temperature of External and Free Air for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°9	73°6	79°5	83°9	86°3	83°5	78°8	80°5		81°0	79°8	
2	77·7	74·5		85·0	86·6		77·2	79·7	81°0	81·3		76°3
3	76·8		80·2	84·4	86·1	79·3	78·8		81·5	81·8	81·1	75·8
4	76·6	73·9	80·4	83·6		81·0	81·2	80·7	81·3	82·5	82,2	75·0
5	75·5	74·3	80·1	83·0	86·3	80·3	80·5	79·7	82·7		81·3	76·3
6		76·1	81·2		85·8	79·0		79·7	81·5	84·6	81·5	76·1
7	76·7	77·3	82·0	83·4	86·4	80·8	83·6	80·9		84·2	82·5	
8	78·0	77·4	81·0	83·3	86·2		84·0	80·3	80·9	83·3	81·8	73·9
9	77·1	76·3		83·5	86·3	78·5	82·7	81·0	80·9	83·1		72·6
10	76·5		80·5	83·4	86·5	80·8	82·9		81·5	83·7	81·0	76·3
11	77·8	76·5	81·4	84·2		82·0	82·9	81·0	81·7	82·6	79·0	78·3
12	77·3	77·0	81·2	85·6	85·8	84·5	83·1	80·7	79·2		79·6	79·6
13		76·7	82·6		86·1	84·9		81·9	79·8	80·6	78·8	78·7
14	76·4	76·2	83·8	84·7	86·6	85·2	78·8	82·0		80·9	78·4	
15	76·1	76·6	83·8	84·8	86·8		81·1		79·9	80·2	78·2	76·6
16	76·3	76·3		84·1	86·5	84·0	82·3	81·4	80·2	79·9		73·3
17	76·0		82·8	84·1	86·5	83·8	82·1		80·0	80·9	77·6	74·4
18	74·4	77·8	83·4	85·3		84·6	81·7	80·4	80·5	81·6	78·5	75·5
19	75·6	79·0	80·9	85·8	86·0	85·3	82·0	80·7	76·2		77·8	75·4
20		80·8	79·8		86·9	85·4		79·8	75·1	79·4	78·4	74·7
21	77·1	80·1		84·9	85·9	86·1	83·1	81·0		78·7	76·7	
22	78·4	80·9		84·8	86·5		83·0	80·3	77·0	79·0	75·5	75·9
23	77·3	79·1		84·9	87·4	86·2	81·1	80·9	79·1	78·9		77·3
24	76·8	77·2	81·3	85·5		85·4	77·7		79·3	78·6	76·1	76 0
25	76·7		80·8	86·1		84·6	79·4	81·5	80·1	78·7	78·6	73·8
26	75·9	76·7	80.6	85·8	88·1	83·1	79·6	82·2	80·6		80·8	73·8
27		77·7	81.5		84·3	81·3		81·9	81·3		79·5	
28	74·9	77·6	82·7	85·2	85·9	83·8	79 3	79·9		80·9	77·5	
29	74·1	77·5	82·7	85·9	85·6		80·2	80·0	80·9	80·1	75·8	69·1
30	74·5			86·6	85·5	82·5	80·2	79·3	80·0	79·1	75·3	70·1
31	74·4		81·8		82·7		81·1	78·5		78·8		72·9

TABLE XXII.—*Showing the number of Instances in which the Difference of the Mean Daily Temperature of External and Free Air, on two consecutive Days, was under certain limits.*

1856, Limits of the Temperature of External and Free Air.	Number of Instances.												Whole Number of Instances in this Year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Greater than 1° and less than 2°	10	8	7	3	1	8	7	6	4	3	7	10	74
„ 2 „ 3		1	1		1	4	2	1	3	4	4	5	26
„ 3 „ 4					1		2					2	5
„ 4 „ 5						1	1		1			1	4

It appears from this table that out of 307 days there were 109 instances in which the difference of the two consecutive days was greater than 1°; there were only four cases in which it was greater than 4° and less than 5°.

The differences of mean daily temperature of air and ground under other circumstances are as follows:—

	Temperature of Air within the Observatory.	Temperature of Air in contact with the Ground.	Temperature of the Ground 6 inches below the Surface.
There were instances	61	72	24 { In which the difference was greater than 1° and less than 2°.
„ „	13	22	4 { Difference greater than 2° and less than 3°.
„ „	1	6	1 { Difference greater than 3° and less than 4°.

In no instance the temperature difference of the ground 20 or 60 inches below its surface was greater than 1°.

TABLE XXIII.—*Showing the Day on which the Mean Daily Temperature of External and Free Air, as well the Difference between the Mean Temperature on two consecutive Days, was Greatest and Least.*

Months, 1856.	Mean Daily Temperature of External and Free Air.			Difference between the Mean Daily Temperature of External and Free Air on two consecutive Days.			The Day on which the			
							Temperature of External and Free Air was		Difference between the Mean Temperature of two consecutive Days was	
	Highest.	Lowest.	Difference.	Highest.	Lowest.	Difference.	Highest.	Lowest.	Highest.	Lowest.
							d.	d.	d. d.	
January	78°4	74°1	4°3	− 1°6	− 1°0	− 1°5	22	29	17 and 18	30 & 31
February	80·8	73·6	7·2	+ 2·0	± 0·1	{ +2·1 / −1·9 }	20	1	29 and 1	{ 27 − 29 / 7 & 8 }
March	83·8	79·5	4·3	− 2·5	0·0	− 2·5	14-15	1	18 and 19	{ 14 − 15 / 28 − 29 }
April	86·6	83·0	3·6	+ 1·4	0·0	+ 1·4	30	5	11 and 12	16 − 17
May	88·1	82·7	5·4	− 3·8	0·0	− 3·8	26	31	26 and 27	16 − 17
June	86·2	78·5	7·7	− 4·2	+ 0·1	− 4·3	23	9	1 and 3	19 − 20
July	84·0	77·2	6·8	− 4·3	0·0	− 4·3	8	2	12 − 14	10 − 11
August	82·2	78·5	3·7	− 2·0	0·0	− 2·0	26	31	27 − 28	{ 5 − 6 / 9 − 11 }
September	82·7	75·1	7·6	− 4·3	0·0	− 4·3	5	20	18 − 19	8 − 9
October	84·6	78·6	6·0	± 2·2	+ 0·1	{ +2·1 / −2·3 }	6	24	{ 18 − 20 / 25 − 27 }	24 − 25
November	82·5	75·3	7·2	+ 2·5	± 0·2	{ +2·3 / +2·7 }	7	30	24 and 25	{ 4 & 5 / 14 & 15 }
December	79·6	69·1	10·5	+ 4·7	0·0	+3·0	12	29	26 and 29	25 & 26
Greatest	88·1			+ 4·7			May 26		Dec. 26 & 29	
Least		69·1		− 4·3	0·0			29 Dec.	July 12 − 14	Uncertain.
Extreme Difference			19·0			{ +4·3 / −4·7 }				

The times of the greatest and lowest mean daily temperature of external and free air almost coincide with the times of the greatest and lowest temperature of air under any other circumstances; they will in a manner answer for all.

The extreme differences of the temperature under other circumstances are as follow: 89°6 — 76°3 = 13°3, range of air within the Observatory; 88°1 — 73°6 = 14°5, range of air in contact with ground; 87°0 — 74·2 = 14·8, range of temperature of ground 6 inches below its surface; 86·2 — 77·9 = 8·3, and 86·3 — 82·0 = 4·3 are respectively the ranges of temperature of ground 20 and 60 inches below its surface.

TABLE XXIV.—*Showing the Ranges of the Temperature of Ground in relation to its Depth below its Surface.*

Distance from the Surface of Ground.	Extreme Annual Range as obtained from the Monthly Mean Temperature.		Mean Annual Ranges as obtained from the Extreme Daily Means of the last three Years.	Excess of the Ranges of the last three Years above the Annual Range in 1856.	Difference of various Temperatures from the Temperature of the Surface of Ground in 1856.
	Range.	Weight.			
0 inches.	12°1	10	17°3	−4°8	
6 „	10·0	10	14·7	−1·9	1°7
20 „	8·6	8	9·2	−1·6	6·9
60 „	5·3	6	5·2	−0·9	10·2
144 „	2·0	4	2·1		

By comparing the mean annual ranges of the last ten years, we see that the mean monthly fluctuations of the temperature of ground were more regular in former years than in the present. The annual range from the monthly mean temperature was slowly increasing in amount from 1847 to 1853, and it has been since then gradually diminishing. It is therefore supposed that the ground was more affected by the solar heat previous to the year 1853 than the following years, 1853 to 1856.

By comparing the relative values given in the 4th column of this table with each other, it will be obvious that the temperature of ground decreases in a ratio of about 0°297 to an inch as we get below its surface. This value nearly accords with the value obtained in the preceding years.

TABLE XXV.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Temperature of External and Free Air in Simple Hourly Observations was in each Month Highest and Lowest.*

Months, 1856.	The Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Hourly Temperature of External Air was at its					
	Highest.	Lowest.		Highest Point.			Lowest Point.		
				D.	H.		D.	H.	
January	90°4	66°7	23°7	2	3	P. M.	31	5	A. M.
February	90·3	66·2	24·1	20	2	„	1	6	„
March	90·0	73·5	16·5	15	3	„	20	5	„
April	93·4	77·0	16·4	19	2	„	5	6	„
May.....	94·6	78·8	15·8	26	2	„	31	10	„
June.....	92·0	75·0	17·0	23	2	„	11	3	„
July.....	89·0	75·0	14·0	8	2	„	2	4	„
August.....	87·6	75·5	12·1	27	3	„	18	5	„
September ..	87·7	73·6	14·1	11	2	„	19	8	„
October	90·2	74·0	16·2	6	3	„	25	6	„
November ..	90·8	69·0	21·8	12	3	„	29	6	„
							30	6	„
December....	87·7	63·0	24·7	10	2	„	9	6	„

The annual extreme range was 31°6. This range is about 4°3 lower than the mean of the preceding two years.

TABLE XXVI.—*Showing, for each Month, the Mean Temperature of External and Free Air, and its Excess above the Mean of the preceding ten Years, as obtained by a Thermometer kept in the open Air.*

Months, 1856.	Mean Temperature of External and Free Air.	Difference of each Month above the Mean of ten Years.	FOR SEASONS.	
January	76°4	2°5		
February	77·1	2·3		
March	81·5	1·6		
April	84·7	1·7		
May	86·1	0·6		
June	83·0	0·1		
July	81·0	0·1		
August	80·6	0·0		
September	80·1	0·7		
October	80·9	− 0·9		
November	79·0	− 0·5		
December	75·0	− 0·9		
			Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter...	78°7
			Mean of {Apr. May, June, July, Aug. Sept.} or Summer..	82·6
			Mean of the Year.....	80·7
			Greatest Monthly Mean, in May	86·1
			Least Monthly Mean, in December	75·4
			Difference.....	10·7

The temperature of air was rising from January till May, and then was falling to the close of September ; there was a little rise in October, but it again gradually fell in November and December. The temperature of ground is more regular than the temperature of atmospheric air.

TABLE XXVII.—*Daily Range of the Temperature of External and Free Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	18°8	15°8	11°7	12°5	11°4	11°4	5°4	7°4		8°2	10°6	
2	20·0	16·1		13·8	10·9		4·0	4·8	5°2	8·4		13°6
3	16·5		11·5	10·8	9·7	6·8	4·0		6·8	9·8	10·2	16·1
4	12·6	13·2	11.3	10·8		8·4	7·8	7·0	7·0	10·2	10·2	12·8
5	12·5	15·5	10·3	11·2	12·0	12·2	6·0	4·4	9·2		9·6	13·3
6		16·8	10·8		10·7	6·6		9·2	9·2	10·0	9·9	14·2
7	13·9	11·2	12·8	13·0	11·3	7·6	7·2	6·2		10·6	12·4	
8	16·4	13·0	12·4	13·3	12·4		8·6	7·4	8·9	11·8	12·7	12·8
9	13·0	12·4		14·1	11·4	5·8	6·9	7·8	9·4	10·6		20·0
10	13·4		11·6	11·7	11·0	9·4	8·6		10·4	10·2	12·6	18·3
11	15·0	13·1	11·0	12·2		12·7	7·8	7·2	10·1	9·6	16·4	15·2
12	15·4	13·4	10·4	14·2	10·0	7·6	8·0	9·3	9·0		18·2	10·4
13		11·4	13·4		11·4	8·2		9·8	11·0	10·0	16·0	10·2
14	12·5	11·4	12·3	10·8	10·6	8·2	5·2	6·8		10·4	14·4	
15	10·8	12·5	10·6	11·8	11·1		8·0		3·2	12·8	16·4	11·8
16	17·4	13·0		13·0	10·6	7·5	9·8	9·5	10·5	10·5		13·6
17	15·2		11·3	12·6	12·0	7·2	6·4		9·6	12·3	15·8	14·8
18	13·9	14·9	12·6	13·8		8·9	7·4	9·9	7·0	9·8	16·3	12·6
19	16·4	19·2	9·4	14·4	9·1	9·9	7·8	8·2	5·3		16·4	12·4
20		15·9	14·0		11·0	8·7		6·4	2·6	9·3	14·7	13·8
21	11·3	13·6		12·2	14·1	9·2	6·2	9·4		10·2	11·6	
22	13·8	12·8		13·0	13·7		5·8	8·4	4·4	10·2	11·9	12·4
23	13·7	11·2		10·9	9·8	9·8	7·0	8·0	10·0	10·1		13·5
24	11·3	12·8	11·5	11·5		8·4	3·8		10·4	10·2	10·4	12·9
25	10·3		10·5	12·3		8·4	6·0	7·8	10·6	10·2	12·8	15·0
26	10·1	9·5	12·1	12·0	12·4	8·5	4·4	8·4	10·4		13·6	14·6
27		12·8	14·2		9·1	7·6		9·6	9·4		11·5	
28	10·6	17·1	13·6	10·5	10·4	9·6	5·6	6·2		11·2	13·7	
29	9·9	13·3	11·6	10·9	8·9		8·4	8·8	11·2	11·6	13·8	12·0
30	12·5			10·5	11·7	10·2	7·6	7·4	9·4	12·6	13·7	11·4
31	15·7		11·8		13·3		5·8	7·8		10·4		8·6

TABLE XXVIII.—*Showing the Greatest and Least Changes of the External and Free Air, in each Month, as deduced from the preceding Table; as well as the Mean Monthly Range, calculated from the same Table.*

Months, 1856.	Mean Monthly Range.	Daily Range of Air Thermometer.		Difference between the Greatest and Least Range.	Day on which the Range was	
		Greatest.	Least.		Greatest.	Least.
					D.	D.
January	13°8	20°0	9°9	10°1	2	29
February	13·7	19·2	9·5	9·7	19	26
March	11·8	14·2	9·4	4·8	27	19
April	12·2	14·4	10·5	3·9	19	28·30
May	11·2	14·1	8·9	5·2	21	29
June	8·8	12·7	5·8	6·9	11	9
July	6·6	9·8	3·8	6·0	16	24
August	7·8	9·9	4·4	5·5	18	5
September	8·4	11·2	2·6	8·6	29	20
October	10·5	12·8	8·2	4·6	15	1
November	13·3	18·2	9·6	8·6	12	5
December	13·5	20·0	8·6	11·4	9	31
Greatest Range during this Year.		20·0	10·5	9·5	2nd January. 9th December.	28th—30th April.
Least „ „ „ ..		9·8	2·6	7·2	16th July	20th September.
Extreme Difference				17·4		

The ranges of external and free air were large in November, December, January, and February, and small in July and August. The extreme difference was 17°4, being about 1°5 less than the normal mean. The mean diurnal range was 10°9, being nearly equal to the mean of the last year. Mean monthly ranges are smaller in summer than in winter.

TABLE XXIX.—*Showing the number of times, in each Month of the Year* 1856, *in which the Daily Range of External and Free Air was within certain limits.*

The Daily Range was	Number of Cases in												Whole Number of Cases in the Year 1856.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Greater than 3 and less than 4°							1		1				2
„ 4 „ 5							3	2	1				6
„ 5 „ 6						1	5		2				8
„ 6 „ 7						2	5	4	1				12
„ 7 „ 8						5	7	8	2				22
„ 8 „ 9					1	8	5	6	1	2		1	24
„ 9 „ 10	1	1	1		4	5	1	6	7	4	2		32
„ 10 „ 11	4		5	7	6	1			7	14	4	2	50
„ 11 „ 12	2	4	9	4	8	1			2	3	3	2	38
„ 12 „ 13	4	5	5	6	4	2				3	4	7	40
„ 13 „ 14	6	7	2	6	2						4	5	32
„ 14 „ 15		1	2	3	1						2	3	12
„ 15 „ 16	4	3									1	2	10
„ 16 „ 17	3	2									5	1	11
„ 17 „ 18	1	1											2
„ 18 „ 19	1										1	1	3
„ 19 „ 20		1											1
„ 20	1											1	2

There was only a single instance in 1856 in which the range of temperature was greater than 2° and less than 3°. Out of 307 instances which are given in the last column of this table there were

8 days on which the daily range was greater than 3° and less than 5°

98 „ „ „ „ 5 „ „ 10

172 „ „ „ „ 10 „ „ 15

27 „ „ „ „ 15 „ „ 20

2 instances in which the daily range was greater than 20°.

TABLE XXX.—*Mean Temperature of External and Free Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	73°2	74°1	78°5	81°4	83°1	81°1	80°0	78°9	78°0	78°0	75°5	72°3	Midnight.
1 A. M.	72·6	73·7	78·3	80·9	82·9	81·1	79·5	78·8	77·8	77·7	75·2	72·0	1 A. M.
2 „	72·2	73·2	78·0	80·0	82·6	80·6	79·3	78·6	77·7	77·4	74·8	71·6	2 „
3 „	71·9	72·7	77·4	80·0	82·4	80·7	79·3	78·5	77·6	77·3	74·6	71·2	3 „
4 „	71·2	72·1	76·8	79·6	82·2	80·5	79·3	78·2	77·3	77·1	74·3	70·7	4 „
5 „	71·3	71·2	76·5	79·2	82·0	80·3	79·3	78·0	77·3	76·7	74·1	70·3	5 „
6 „	71·0	70·9	76·3	79·4	82·3	80·5	79·5	78·0	77·3	76·6	73·8	69·4	6 „
7 „	71·3	71·5	76·4	82·0	84·4	81·5	80·0	78·7	78·2	78·1	75·0	70·4	7 „
8 „	73·6	74·6	80·2	85·0	86·7	82·9	80·9	79·9	79·7	80·3	77·0	73·3	8 „
9 „	75·8	77·1	82·8	86·9	88·7	83·8	81·6	80·1	81·3	81·8	79·4	75·6	9 „
10 „	77·9	79·4	84·3	88·1	89·4	84·7	82·5	82·1	82·4	83·2	81·4	77·5	10 „
11 „	79·8	81·0	85·4	89·4	90·6	85·6	82·6	83·5	83·0	84·4	83·2	79·3	11 „
Noon.	81·8	82·3	86·4	90·2	91·5	86·5	83·2	84·0	83·5	85·2	84·9	81·4	Noon.
1 P. M.	83·0	83·1	87·1	90·8	91·9	86·8	83·6	84·2	83·7	85·9	85·8	82·4	1 P. M.
2 „	83·6	83·7	87·6	91·2	92·8	87·8	83·6	84·7	84·2	86·4	86·2	82·5	2 „
3 „	84·1	83·8	87·5	90·9	91·7	87·0	83·5	84·3	84·1	86·6	85·9	82·2	3 „
4 „	83·3	83·3	86·9	90·1	90·5	86·2	82·6	83·3	83·2	85·8	84·7	81·4	4 „
5 „	81·0	82·1	85·6	87·8	88·3	84·9	82·0	81·9	81·5	83·6	81·8	78·7	5 „
6 „	78·2	78·5	82·6	85·1	85·9	83·2	81·3	80·6	80·1	81·7	79·9	76·9	6 „
7 „	77·1	77·5	81·2	83·7	84·5	82·2	80·8	79·9	79·4	81·0	79·0	76·1	7 „
8 „	76·2	77·0	80·4	83·0	84·0	81·7	80·4	79·9	78·9	80·4	78·5	75·4	8 „
9 „	75·2	76·4	79·9	82·8	83·5	81·6	79·9	79·6	78·3	80·4	77·7	74·1	9 „
10 „	74·4	75·7	79·3	82·4	83·4	81·3	79·9	79·4	78·2	79·2	76·5	72·9	10 „
11 „	73·3	75·0	78·8	82·0	83·2	81·2	80·0	79·1	78·0	78·2	75·7	72·3	11 „

TABLE XXXI.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Hourly Temperature of External and Free Air, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean hourly External and Free Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	84°1	71°0	13°1	3 P. M.	6 A. M.
February	83·8	70·9	12·9	3 „	6 „
March	87·6	76·3	11·3	2 „	6 „
April	91·2	79·2	12·0	2 „	5 „
May	92·2	82·0	10·2	2 „	5 „
June	87·1	80·3	6·8	2 „	5 „
July	83·6	79·3	4·3	2 „	5 „
August	84·7	78·0	6·7	2 „	6 „
September	84·2	77·3	6·9	2 „	6 „
October	86·6	76·6	10·0	3 „	6 „
November	86·2	73·8	12·4	2 „	6 „
December	82·5	69·4	13·1	2 „	6 „

The difference between the greatest and least temperatures is 22°8. It appears from this table that the maximum temperature happens in the afternoon, and the minimum temperature at the time of sunrise.

TABLE XXXII.—*Showing, for the Year* 1856, *the Mean Temperature of External and Free Air, for each hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Temperature of External and Free Air.	
	Summer.	Winter.
Midnight.	80·4	75·3
1 A. M.	80·2	74·9
2 „	79·8	74·5
3 „	79·8	74·2
4 „	79·5	73·7
5 „	79·4	73·3
6 „	79·5	73·0
7 „	80·8	73·8
8 „	82·5	76·5
9 „	83·7	78·7
10 „	84·9	80·6
11 „	85·8	82·2
Noon.	86·5	83·7
1 P. M.	86·8	84·5
2 „	87·2	85·0
3 „	86·9	85·7
4 „	86·0	84·2
5 „	84·4	82·1
6 „	82·7	79·6
7 „	81·8	78·6
8 „	81·3	78·0
9 „	81·0	77·3
10 „	80·8	76·3
11 „	80·6	75·5

FOR DAY AND NIGHT.

	Summer.	Winter.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night....	80·6	75·9
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	84·6	80·8
Mean....	82·6	78·4
Annual Mean....	80·5	

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 2 P. M. in Summer.
A Minimum at 5 A. M. in Summer.
A Maximum at 3 P. M. in Winter.
A Minimum at 6 A. M. in Winter.

TABLE XXXIII.—*Mean Hourly Changes of Barometer in each Month.*

Bombay Civil Time.	MONTHS, 1856.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight & 1 A. M.	-0°6	-0°4	-0°2	-0°5	-0°3	0°0	-0°5	-0°1	-0°2	-0°3	-0°3	-0°3
1 & 2 A. M.	-0·4	-0·5	-0·3	-0·9	-0·3	0·5	-0·2	-0·2	-0·1	-0·3	-0·4	-0·4
2 & 3 „	-0·3	-0·5	-0·6	0·0	-0.2	0·1	0·0	-0·1	-0·1	-0·1	-0·2	-0·4
3 & 4 „	-0·7	-0·6	-0·6	-0·4	-0.2	-0·2	0·0	-0·3	-0·3	-0·2	-0·3	-0·5
4 & 5 „	0·1	-0·9	-0·3	-0·4	-0·2	-0·2	0·0	-0·2	0·0	-0·4	-0·2	-0·4
5 & 6 „	-0·3	-0·3	-0·2	0·2	0·3	0·2	0·2	0·0	0·0	-0·1	-0·3	-0·9
6 & 7 „	0·3	0·6	0·1	2·6	2·1	1·0	0·5	0·7	0·9	1·5	1·2	1·0
7 & 8 „	2·6	3·1	3·8	3·0	2·2	1·4	0·9	1·2	1·5	2·2	2·0	2·9
8 & 9 „	2·2	2·5	2·6	1·9	2·0	0·9	1·7	0·2	1·6	1·5	2·4	2·3
9 & 10 „	2·1	2·3	1·5	1·2	0·7	0·9	0·9	1·0	1·1	1·4	2·0	1·9
10 & 11 „	1·9	1·6	1·1	1·3	1·2	0·9	0·1	1·4	0·6	1·2	1·8	1·8
11 & Noon.	2·0	1·3	1·0	0·8	0·9	0·9	0·6	0·5	0·5	0·8	1·7	2·1
Noon & 1 P. M.	1·2	0·8	0·7	0·6	0·4	0·3	0·4	0·2	0·2	0·7	0·9	1·0
1 & 2 „	0·6	0·6	0·5	0·4	0·9	1·0	0·0	0·5	0·5	0·5	0·4	0·1
2 & 3 „	0·5	0·1	-0·1	-0·3	-1·1	-0·8	-0·1	-0·4	-0·1	0·2	-0·3	-0·3
3 & 4 „	-0·8	-0·5	-0·6	-0·8	-1·2	-0·8	-0·9	-1·0	-0·9	-0·8	-0·2	-0·8
4 & 5 „	-2·3	-1·2	-1·3	-2·3	-2·2	-1·3	-0·6	-1·4	-1·7	-2·2	-2·9	-2·7
5 & 6 „	-2·8	-3·6	-3·0	-2·7	-2·4	-1·7	-0·7	-1·3	-1·4	-1·9	-1·9	-1·8
6 & 7 „	-1·1	-1·0	-1·4	-1·4	-1·4	-1·0	-0·5	-0·7	-0·7	-0·7	-0·9	-0·8
7 & 8 „	-0·9	-0·5	-0·8	-0·7	0·5	-0·5	-0·4	0·0	-0·5	-0·6	-0·5	-0·7
8 & 9 „	-1·0	-0·6	-0·5	-0·2	-0·5	-0·1	-0·5	-0·3	-0·6	-0·0	-0·8	-1·3
9 & 10 „	-0·8	-0·7	-0·6	-0·4	-0·1	-0·3	0·0	-0·2	-0·1	-1·2	-1·2	-1·2
10 & 11 „	-1·1	-0·7	-0·5	-0·4	-0·2	-0·1	0·1	-0·3	0·2	-1·0	-0·8	-0·6
11 & Midnight.	-0·1	-0·9	-0·3	-0·6	-0·1	-0·1	0·0	-0·2	0·0	-0·2	-0·2	-0·0

TABLE XXXIV.—*Showing, for each Hour, the Sum of the Numbers of Diurnal Change in the preceding Table, without regard to their Signs, during the Year* 1856.

Bombay Civil Time.	Hourly Sums of Numbers in the preceding Table of Diurnal Inequality.		Character of Changes.	
	Summer.	Winter.	Summer.	Winter.
Midnight.	1°6	2°1	Small fall of temperature.	Small fall of temperature.
1 A. M.	2·2	2·3	" "	" "
2 "	0·3	2·1	Very small fall.	" "
3 "	1·4	2·9	Small fall.	Moderate fall.
4 "	1·0	2·1	" "	Small fall.
5 "	0·9	2·1	Small rise.	" "
6 "	7·8	4·7	Moderate rise.	Moderate rise.
7 "	10·2	16·6	" "	Large rise.
8 "	8·3	13·5	" "	" "
9 "	5·8	11·2	" "	" "
10 "	5·5	9·4	Moderate rise, except in July.	Moderate rise.
11 "	4·2	8·9	Small rise.	" "
Noon.	2·1	5·3	" "	" "
1 P. M.	3·3	2·7	" "	Small rise.
2 "	2·8	0·1	Moderate fall, except in May.	Variable in different months.
3 "	5·6	3·7	Moderate fall.	Moderate fall.
4 "	9·5	12·6	" "	Large fall.
5 "	10·2	15·0	" "	" "
6 "	5·7	5·9	" "	Moderate fall.
7 "	2·6	4·0	Small fall, except in August.	" "
8 "	2·2	4·2	Small fall.	" "
9 "	1·1	5·7	" "	" "
10 "	1·1	4·7	Small fall, except in July.	" "
11 "	1·0	1·7	Small fall.	Small fall.

TABLE XXXV.—*Showing the Mean Amount and Character of the Diurnal Changes of the Temperature of External and Free Air, deduced from the Observations of the last Ten Years.*

Between what Hour.	Amount of Change in Temperature.	Character of Changes.
Midnight and 2 A. M.	0°6	Small fall at all periods of the year.
2 A. M. and 4 "	0·5	" " " " "
4 " 6 "	0·4	Small fall in Winter and small rise in Summer.
6 " 8 "	3·2	Large rise at all periods of the year.
8 " 10 "	3·2	" " " " "
10 " and Noon.	1·9	Large rise in Winter and moderate rise in Summer.
Noon and 2 P. M.	0·1	Small rise in Winter and small fall in Summer.
2 P. M. and 4 "	1·4	Moderate fall at all periods of the year.
4 " 6 "	3·4	Large fall in Winter and moderate fall in Summer.
6 " 8 "	1·4	Moderate fall at all periods.
8 " 10 "	1·2	" " "
10 " and Midnight.	0·8	" " "

TABLE XXXVI.—*Showing, for the Year* 1856, *the Mean Excess of Hourly Temperature of External and Free Air above the Annual Mean, as obtained from the Observations of the last Nine Years.*

Bombay Civil Time.	Mean Excess of Hourly Temperature above the Annual Mean.	FOR DAY AND NIGHT.
Midnight.	− 2°9	
1 A. M.	− 3·2	
2 „	− 3·5	
3 „	− 3·7	
4 „	− 4·0	
5 „	− 4·3	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight 1, 2, 3, 4, 5 A. M.} or Night .. −2·38
6 „	− 4·4	
7 „	− 2·9	
8 „	− 0·2	
9 „	1·7	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day .... +2·41
10 „	3·3	
11 „	4·5	
Noon.	5·2	
1 P. M.	5·5	
2 „	5·3	
3 „	4·7	
4 „	3·9	TIMES OF MEAN MAXIMUM AND MINIMUM.
5 „	2·3	
6 „	0·5	Maximum excess at 6 A. M. and 1 P. M.
7 „	− 0·3	Minimum excess at 8 A. M. and 6—7 P. M.
8 „	− 0·9	
9 „	− 1·5	
10 „	− 2·1	
11 „	− 2·7	

If the mean daily temperature of the air is to be determined by two observations taken daily, the hours indicated as best (in the last table) would be as follows: for external and free air, midnight and 5 P. M., 4 A. M. and 4 P. M., 8 A. M. and 7 P. M., and 9 A. M. and 9 P. M.

Similar calculations were made for the temperature under other circumstances; the result is as follows: for the air within the Observatory, midnight and 6 P. M., 6 A. M. and 4 P. M., and 9 A. M. and 8 P. M.

For the air in contact with the surface of the ground, 3 A. M. and 4 P. M., 5 A. M. and 3 P. M., and 8 A. M. and 7 P. M.

For the ground 6 in. below its surface, 2 A. M. and 1 P. M., 5 A. M. and 4 P. M., and 11 A. M. by itself will give the mean daily temperature.

TABLE XXXVII.—*Showing the Approximation to the Mean Temperature of External and Free Air from various combinations.*

Months, 1856.	Mean Monthly Temperature of External Air.	Excess of the Combination above the Free Mean.			
		Midnight and 5 P. M.	4 A. M. and 4 P. M.	8 A. M. and 7 P. M.	9 A. M. and 9 P. M.
January	76°4	0°7	1°2	− 1°1	− 0°9
February	77·1	1·0	0·6	− 1·1	− 0·4
March	81·5	0·5	0·3	− 0·8	− 0·2
April	84·7	− 0·1	0·0	− 0·3	0·1
May	86·1	0·6	0·2	− 0·5	− 0·1
June	83·0	0·0	0·3	− 0·5	− 0·3
July	81·0	0·0	− 0·1	− 0·2	− 0·3
August	80·6	− 0·2	0·1	− 0·7	− 0·6
September	80·1	− 0·3	0·1	− 0·5	− 0·3
October	80·9	− 0·1	0·5	− 0·3	0·2
November	79·0	− 0·3	0·5	− 1·0	− 0·5
December	75·4	0·1	0·6	− 0·7	− 0·5

If the sums and means of all the numbers of combinations in the above table be taken without regard to their signs the result is as follows:—

The combination of	midnight and 5 P. M. will differ by about	0°33
„ „	4 A. M. and 4 P. M. will be greater by about	0·38
„ „	8 A. M. and 7 P. M. will be less by about	0·64
„ „	9 A. M. and 7 P. M. „ „ „	0·38

Similar results for temperature under other circumstances show that the several combinations given before will not differ more than 0°5, if they be used in finding out the mean temperature of any day throughout this year.

TABLE XXXVIII.—*Excess of the Mean Hourly Temperature of External and Free Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	−3°2	−2°9	−3°0	−3°3	−3°0	−1°9	−1°1	−1°7	−2°1	−3°0	−3°5	−3°2	Midnight.
1 A. M.	−3·8	−3·4	−3·2	−3·8	−3·3	−2·0	−1·5	−1·8	−2·3	−3·2	−3·8	−3·4	1 A. M.
2 „	−4·2	−3·9	−3·5	−4·6	−3·5	−2·3	−1·8	−2·0	−2·4	−3·5	−4·2	−3·8	2 „
3 „	−4·5	−4·0	−4·1	−4·6	−3·8	−2·4	−1·7	−2·1	−2·5	−3·7	−4·4	−4·2	3 „
4 „	−5·2	−4·9	−4·7	−5·1	−4·0	−2·5	−1·8	−2·4	−2·8	−3·9	−4·7	−4·7	4 „
5 „	−5·1	−5·9	−5·0	−5·4	−4·2	−2·8	−1·7	−2·5	−2·8	−4·2	−4·8	−5·2	5 „
6 „	−5·4	−6·2	−5·1	−5·3	−3·8	−2·6	−1·6	−2·6	−2·8	−4·4	−5·2	−6·0	6 „
7 „	−5·1	−5·5	−4·1	−2·6	−1·7	−1·5	−1·0	−1·9	−1·9	−2·8	−4·0	−5·0	7 „
8 „	−2·8	−2·5	−1·2	0·4	0·5	−0·2	−0·2	−0·7	−0·4	−0·8	−1·9	−2·2	8 „
9 „	−0·6	0·1	1·3	2·2	2·5	0·7	0·6	−0·5	1·3	1·0	0·5	0·2	9 „
10 „	1·5	2·3	2·8	3·4	3·2	1·7	1·5	1·4	2·4	2·3	2·4	2·1	10 „
11 „	3·4	3·9	3·9	4·7	4·4	2·6	1·5	2·9	2·9	3·4	4·2	3·9	11 „
Noon.	5·4	5·3	5·0	5·6	5·4	3·5	2·2	3·4	3·4	4·3	5·9	5·7	Noon.
1 P. M.	6·6	6·0	5·7	6·1	5·7	3·8	2·6	3·6	3·6	4·9	6·8	7·0	1 P. M.
2 „	7·2	6·6	6·2	6·5	6·1	4·1	2·6	4·1	4·1	5·4	7·3	7·1	2 „
3 „	7·7	6·7	6·0	6·2	5·6	4·0	2·5	3·7	4·0	5·6	6·9	7·8	3 „
4 „	6·9	6·3	5·5	5·4	4·3	3·2	1·5	2·7	3·1	4·8	5·8	6·0	4 „
5 „	4·6	5·0	4·2	3·1	2·2	1·9	0·9	1·3	1·4	2·7	2·9	3·2	5 „
6 „	1·8	1·5	1·1	0·4	−0·3	0·2	0·3	−0·1	0·0	0·8	0·9	1·5	6 „
7 „	0·7	0·4	−0·3	−1·0	−1·6	−0·9	−0·3	−0·7	−0·7	0·1	0·1	0·7	7 „
8 „	−0·2	−0·7	−1·0	−1·6	−2·1	−1·3	−0·7	−0·8	−1·1	−0·5	−0·5	−0·1	8 „
9 „	−1·1	−0·7	−1·5	−1·9	−2·6	−1·4	−1·2	−1·0	−1·8	−0·6	−1·3	−1·4	9 „
10 „	−2·0	−1·4	−2·2	−2·3	−2·7	−1·7	−1·1	−1·2	−1·8	−1·8	−2·5	−2·5	10 „
11 „	−3·1	−2·1	−2·7	−2·7	−3·0	−1·8	−1·1	−1·6	−2·1	−2·8	−3·3	−3·1	11 „

TABLE XXXIX.—*Mean Hourly Reading of Temperature of External and Free Air, diminished by the Monthly Mean, and the Change for each Hour.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	-0°3	0°0	-0°1	-0°4	-0°1	1°0	1°8	1°2	0°8	-0°1	-0°6	-0°3	Midnight.
1 A. M.	-1·5	-1·1	-0·9	-1·5	-1·0	0·3	0·8	0·5	0·0	-0·9	-1·5	-1·1	1 A. M.
2 „	-0·7	-0·4	0·0	-1·1	0·0	1·2	1·7	1·5	1·1	0·0	-0·7	-0·3	2 „
3 „	-0·8	-0·3	-0·4	-0·9	-0·1	1·3	2·0	1·6	1·2	0·0	-0·7	-0·5	3 „
4 „	-1·2	-0·9	-0·7	-1·1	0·0	1·5	2·2	1·6	1·2	0·1	-0·7	-0·7	4 „
5 „	-0·8	-1·6	-0·7	-1·1	0·1	1·5	2·6	1·8	1·5	0·1	-0·5	-0·9	5 „
6 „	-1·0	-1·8	-0·7	-0·9	0·6	1·8	2·8	1·8	1·6	0·0	-0·8	-1·6	6 „
7 „	-2·2	-2·6	-1·2	0·3	1·2	1·4	1·9	1·0	1·0	-0·1	-1·1	-2·1	7 „
8 „	-2·6	-2·3	-1·0	0·6	0·7	0·0	0·0	-0·5	-0·2	-0·6	-1·7	-2·0	8 „
9 „	-2·3	-1·6	-0·4	0·5	0·3	-1·0	-1·1	-2·2	-0·4	-0·7	-1·2	-1·5	9 „
10 „	-1·8	-1·0	-0·5	0·1	-0·1	-1·6	-1·8	-1·9	-0·9	-1·0	-0·9	-1·2	10 „
11 „	-1·1	-0·6	-0·6	0·2	-0·1	-1·9	-3·0	-1·6	-1·6	-1·1	-0·3	-0·6	11 „
Noon.	0·2	0·1	-0·2	0·4	0·2	-1·7	-3·0	-1·8	-1·8	-0·9	0·7	0·5	Noon.
1 P. M.	1·0	0·4	0·1	0·5	0·1	-1·8	-3·0	-2·0	-2·0	-0·7	1·2	1·4	1 P. M.
2 „	1·9	1·3	0·9	1·2	0·8	-1·2	-2·7	-1·2	-1·2	0·1	2·0	1·8	2 „
3 „	3·0	2·0	1·3	1·5	0·9	-0·7	-2·2	-1·0	-0·7	0·9	2·2	3·1	3 „
4 „	3·0	2·4	1·6	1·5	0·4	-0·7	-2·4	-1·2	-0·8	0·9	1·9	2·1	4 „
5 „	2·3	2·7	1·9	0·8	-0·1	-0·4	-1·4	-1·0	-0·9	0·4	0·6	0·9	5 „
6 „	1·3	1·0	0·6	-0·1	-0·8	-0·3	-0·2	-0·6	-0·5	0·3	0·4	1·0	6 „
7 „	1·0	0·7	0·0	-0·7	-1·3	-0·6	0·0	-0·4	-0·4	0·4	0·4	1·0	7 „
8 „	0·7	0·2	-0·1	-0·7	-1·2	-0·4	0·2	0·1	-0·2	0·4	0·4	0·8	8 „
9 „	0·4	0·8	0·0	-0·4	-1·1	0·1	0·3	0·5	-0·3	0·9	0·2	0·1	9 „
10 „	0·1	0·7	-0·1	-0·2	-0·6	0·4	1·0	0·9	0·3	0·3	-0·4	-0·4	10 „
11 „	-0·4	0·6	0·0	0·0	-0·3	0·9	1·6	1·1	0·6	-0·1	-0·6	-0·4	11 „

It appears from this table that the order of signs is different in different seasons; May and October are mutable months.

TABLE XL.—*Showing, for each Month, the Monthly Sums of the Numbers in the preceding Table, without regard to the signs of Numbers, and the Mean for each Month.*

Months, 1856.	Monthly Sums of the Diurnal Inequality.	Mean for each Month.	FOR SEASONS.
January	31°6	1°32	Mean sum of { Jan. Feb. March, Oct. Nov. Dec. } or Winter .. 22°3
February	27·1	1·13	
March	14·0	0·58	
April	16·7	0·70	Mean sum of { April, May, June, July, Aug. Sept. } or Summer.. 23·8
May	12·6	0·52	
June	23·7	0·99	
July	39·7	1·65	
August	29·0	1·21	
September	21·2	0·88	
October	13·0	0·54	Greatest monthly sum, in July and January.
November	21·7	0·90	Least monthly mean, in May and October.
December	26·3	1·99	

It appears from this table that the temperature of external and free air was most uniform at the beginning and close of the SW. Monsoon.

TABLE XLI.—*Showing, for the Year* 1856, *the Hourly Sums of the Numbers in the Table of Diurnal Inequality of Temperature of External and Free Air; and also the Mean for each Hour, without regard to the Signs of Numbers of the Inequality Table.*

Bombay Civil Time.	Hourly Sums of the Diurnal Inequality Numbers.	Mean for each Hour.	For Day and Night.
Midnight.	6°7	0°56	
1 A. M.	11·1	0·92	
2 „	8·7	0·72	
3 „	9·8	0·82	
4 „	11·9	0·99	
5 „	13·2	1·10	Mean sum of {6, 7, 8, 9, 10, 11 P. M. / Midnight 1, 2, 3, 4, 5 A. M.} or Night.... 8°2
6 „	15·4	1·28	
7 „	16·1	1·34	
8 „	12·2	1·02	
9 „	13·7	1·14	Mean sum of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day.... 14·7
10 „	12·8	1·07	
11 „	12·7	1·06	
Noon.	11·5	0·96	
1 P. M.	14·2	1·18	
2 „	16·3	1·36	
3 „	19·5	1·62	
4 „	18·9	1·58	TIMES OF MEAN MAXIMUM AND MINIMUM.
5 „	13·4	1·12	
6 „	7·1	0·59	Greatest sum at 3 and 4 P. M.
7 „	6·9	0·58	Least sum after sunrise, or 8, 9, and 10 A. M.
8 „	5·4	0·45	
9 „	5·1	0·42	
10 „	5·4	0·45	
11 „	6·6	0·55	

It appears from this table that the temperature of external and free air is more uniform during the night than the day hours.

TABLE XLII.—*Mean Temperature of the Air within the Observatory for each Day of Bombay Civil Time, as obtained from the Thermometer of Large Horizontal Force Magnetometer.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct..	Nov.	Dec.
1	79°1	76°3	80°7	84°5	88°0	84°7	81°9	82°2		83°4	83°0	
2	79·9	77·2		86·2	88·4		79·9	81·8	82°1	83·5		79°6
3	80·2		82·4	86·2	88·3	81·9	80·5		82·7	84·0	84·1	78·9
4	80·6	77·1	82·9	85·3		82·4	82·5	82·0	83·0	84·1	84·9	78·5
5	79·1	76·9	83·1	84·5	88·2	82·4	82·1	81·7	83·3		84·5	79·7
6		78·9	82·7		87·8	81·3		81·7	83·4	85·8	84·0	79·4
7	79·1	80·5	83·5	84·7	88·0	82·1	84·1	82·4		85·7	84·7	
8	80·7	80·6	83·8	85·0	88·1		84·9	82·1	82·9	85·6	84·7	77·5
9	80·4	79·7		85·4	88·1	81·0	84·4	82·4	83·0	85·2		75·9
10	79·6		83·6	84·9	88·2	81·9	84·1		82·9	86·4	83·4	78·2
11	80·3	79·6	83·8	85·2		83·0	84·2	82·8	82·9	85·9	82·3	81·2
12	80·4	80·1	83·6	86·2	87·7	85·1	84·2	82·7	82·1		81·8	82·4
13		79·6	83·9		87·9	85·8		83·1	81·8	84·4	81·8	82·5
14	78·8	78·6	85·5	86·8	87·8	86·3	82·4	83·5		83·6	81·6	
15	78·8	78·1	85·9	86·7	88·0		82·9		81·9	82·6	81·5	80·3
16	78·9	78·6		86·0	88·4	85·8	83·7	82·8	82·1	82·0		77·7
17	78·7		84·5	85·6	88·3	85·6	83·7		81·5	82·3	80·8	78·1
18	77·9	80·3	84·4	86·2		86·0	83·4	82·6	81·4	82·8	81·8	79·1
19	77·7	80·9	8·30	87·0	87·8	86·8	83·4	82·5	78·6		81·1	79·1
20		82·5	81·8		88·3	86·6		81·7	77·5	82·1	81·2	78·8
21	80·1	82·8		87·2	88·0	86·0	84·3	82·5		81·4	80·1	
22	80·8	82·6		86·7	87·7		83·7	82·5	78·5	81·3	78·6	79·8
23	80·6	81·3		86·3	88·6	87·2	83·2	82·9	80·2	81·5		80·5
24	80·5	80·1	82·8	86·6		87·1	80·6		81·0	81·4	80·2	79·5
25	79·5		82·0	87·1		86·3	81·1	82·6	81·4	81·3	81·1	78·2
26	78·8	78·8	82·0	87·3	89·6	85·4	81·4	83·0	82·0		82·6	78·2
27		79·2	82·8		87·9	83·5		83·4	82·4		82·1	
28	78·5	79·7	83·5	86·9	86·3	84·7	81·7	82·7		83·6	80·3	
29	78·0	79·4	84·3	86·5	86·8		81·7	82·3	83·0	83·0	80·0	78·7
30	77·9			87·7	86·6	84·7	81·7	81·7	83·0	81·4	79·5	77·9
31	77·2		83·1		84·9		82·5	80·5		81·3		76·3

TABLE XLIII.—*Showing, for each Month, the Mean Temperature of Air within the Observatory, and its Periodic Changes from the Mean of the Year, as obtained by Thermometer of the Large Horizontal Force.*

Months, 1856.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Year.	FOR SEASONS.
January	79°3	− 3°3	Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter. .. 81°1
February	79·6	− 3·0	
March	83·3	0·7	
April	86·1	3·5	Mean of {April, May, June, / July, Aug. Sept.} or Summer... 84·2
May	87·8	5·2	
June	84·5	1·9	Mean of the Year.... 82·6
July	82·7	0·1	
August	82·4	− 0·2	
September	81·8	− 0·8	Greatest Monthly Mean in May .... 87·8
October	83·3	0·7	Least Monthly Mean in December .. 79·0
November	82·0	− 0·6	
December	79·0	− 3·6	Difference..... 8·8

TABLE XLIV.—*Mean Temperature of Air in contact with the Ground for each Day of Bombay Civil Time, as obtained by the Thermometer placed on the Ground in the Thermometer Shed.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°9	73°6	79°5	83°6	85°9	83°8	79°4	81°3		81°4	79°8	
2	77·8	74·6		85·1	86·4		77·9	80·5	81°4	81·8		76°3
3	77·2		80·4	84·2	85·9	79·7	79·4		81·7	82·1	80·9	75·8
4	77·0	74·1	80·4	83·5		81·5	81·9	81·2	81·7	82·7	82.0	74·3
5	76·3	74·4	80·5	82·6	86·0	81·1	81·3	80·4	81·7		81·1	76·3
6		76·2	81·2		85·5	80·0		80·2	81·8	84·6	81·4	76·1
7	77·0	77·3	82·1	82·8	85·9	81·5	83·8	81·4		84·0	82·1	
8	78·2	77·1	81·3	82·9	86·0		84·1	80·9	80·9	83·7	81·5	73·9
9	77·5	76·1		83·1	86·0	79·0	82·8	81·6	80·7	83·4		72·5
10	76·7		80·5	83·1	86·1	80·9	83·1		81·2	84·1	80·7	76·1
11	78·2	76·4	81·2	83·7		82·4	83·3	81·6	81·1	82·9	78·8	78·2
12	77·7	76·9	81·3	85·2	85·7	84·9	83·3	81·4	79·4		79·2	79·5
13		76·8	82·6		86·0	85·3		82·4	79·6	80·8	78·7	78·8
14	76·9	76·3	83·7	84·5	86·3	85·5	79·5	82·7		80·9	78·0	
15	76·7	76·5	83·9	84·5	86·6		81·5		80·1	80·2	77·8	76·2
16	76·7	76·3		83·7	86·5	84·5	82·5	82·1	80·3	79·8		73·5
17	76·5		83·0	83·8	86·3	84·2	82·4		80·5	80·8	78·4	74·6
18	74·9	79·2	83·2	85·0		85·1	82·2	81·2	80·5	81·5	78·6	75·8
19	75·8	78·5	80·9	85·8	86·0	85·8	82·4	81·4	76·6		77·8	75·3
20		80·4	79·8		87·0	85·9		80·6	75·5	79·2	78·3	74·5
21	77·6	80·0		84·6	86·2	86·5	83·1	81·8		78·4	76·8	
22	78·6	80·6		84·5	86·6		83·3	81·1	77·4	78·7	75·7	75·7
23	77·8	79·0		84·5	87·6	86·5	81·6	81·4	79·0	78·6		77·4
24	77·4	77·4	81·5	85·2		85·7	78·5		79·7	78·2	76·2	76·1
25	77·2		80·2	85·6		85·2	80·2	81·8	80·1	78·4	78·6	73·9
26	76·3	76·8	80·5	84·5	88·1	84·0	80·3	82·7	80·8		80·7	73·8
27		77·6	81·6		85·0	82·1		82·3	81·8		79·5	
28	75·1	77·6	82·5	85·1	86·0	84·6	80 2	80·4		80·8	77·5	
29	73·9	77·6	82·5	85·5	85·9		80·8	80·9	81·3	80·1	75·7	73·4
30	74·2			86·2	85·7	83·1	80·9	80·0	80·4	79·1	75·5	73·5
31	74·3		81·7		83·3		81·7	79·2		78·9		73·1

TABLE XLV.—*Showing, for each Month, the Mean Temperature of Air on the Surface of the Ground, and its Periodic Changes from the Mean of the Year, as obtained by Thermometer whose bulb is kept on the surface of the earth.*

Months, 1856.	Mean Temperature of Air on the Surface of the Ground.	Difference from the Mean of the Year.	FOR SEASONS.	
January	76°0	−4°6	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	78°4
February	77·1	−3·5		
March	81·5	1·5		
April	84·3	3·7	Mean of {Apr. May, June, July, Aug. Sept.} or Summer	82·8
May	86·1	5·5		
June	83·6	3·0	Mean of the Year	80·6
July	81·5	0·9		
August	81·3	0·7		
September	80·2	−0·4	Greatest Monthly Mean, in May	86·1
October	81·0	0·4	Least Monthly Mean, in December	75·4
November	78·9	−1·7		
December	75·4	−5·2	Difference	10·7

TABLE XLVI.—*Mean Temperature of Ground six inches below its Surface, for each Day of Bombay Civil Time, as obtained by Thermometer whose bulb is inserted six inches below the surface of the Ground.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°0	74°2	78°7	82°1	85°4	84°6	82°9	81°8		81°3	80°1	
2	77·5	74·5		83·2	85·6		81·5	81·6	81°3	81·5		74°4
3	77·3		79·4	83·6	85·8	82·5	81·4		81·6	81·6	81·0	77·2
4	77·4	74·7	79·8	83·2		82·6	82·3	81·8	81·8	82·0	81·7	76·7
5	77·2	74·6	80·1	82·8	85·6	82·8	82·3	81·5	81·9		81·5	77·1
6		75·4	80·1		85·5	81·8		81·3	81·9	83·1	81·7	77·0
7	77·0	76·5	80·7	82·9	85·7	82·2	83·2	81·6		83·4	81·8	
8	77·8	76·9	80·9	83·0	85·6		83·8	81·6	81·6	83·3	81·7	75·8
9	77·8	76·6		83·2	85·6	82·0	83·7	81·6	81·5	83·3		74·6
10	77·5		80·7	83·2	85·7	81·6	83·5		81·6	83·3	81·2	75·7
11	77·9	76·7	80·8	83·3		82·5	83·6	82·0	81·6	83·0	80·3	77·2
12	77·9	77·1	80·9	83·8	85·5	84·0	83·6	81·8	81·1		79·8	78·6
13		77·3	81·2		85·6	84·5		82·0	80·6	81·8	79·6	78·8
14	77·3	76·9	82·1	84·2	85·8	84·8	82·6	82·4		81·5	79·2	
15	77·2	76·8	82·7	84·1	85·9		82·4		81·2	81·2	79·0	78·3
16	77·0	76·7		83·8	85·9	84·7	82·9	82·2	81·3	80·9		76·3
17	76·8		82·0	83·5	85·8	84·5	83·2		80·9	81·0	78·6	75·9
18	76·3	73·5	82·3	83·8		84·8	82·9	81·6	81·6	81·7	79·0	76·6
19	76·7	77·7	81·6	84·4	85·9	85·2	83·0	81·7	79·2		78·9	76·5
20		78·8	80·6		86·3	85·3		81·5	78·6	80·9	79·0	76·2
21	77·6	79·4		84·6	86·2	85·6	83·4	81·6		80·1	78·4	
22	77·9	79·7		84·5	85·8		83·6	81·7	78·6	80·4	77·6	76·9
23	77·9	79·2		84·5	86·6	85·7	83·1	81·8	79·3	80·0		76·9
24	77·8	78·6	81·0	84·7		85·6	81·3		79·7	79·7	77·8	76·9
25	77·8		80·7	85·0		85·3	81·2	81·7	80·1	79·7	78·6	75·9
26	77·5	77·7	80·5	85·1	87·0	84·8	81·4	82·1	80·5		79·8	75·4
27		77·8	81·1		86·0	83·8		82·1	81·1		79·8	
28	76·4	77·8	81·4	84·8	85·9	84·4	81·3	81·7		80·7	78·7	
29	75·4	77·7	82·0	85·0	86·0		81·4	81·4	81·1	80·7	77·8	75·4
30	74·8			85·4	85·9	84·4	81·5	81·3	81·0	79·9	77·6	75·3
31	74·6		81·5		85·0		81·9	80·6		79·7		75·1

TABLE XLVII.—*Showing, for each Month, the Mean Temperature of Ground six inches below its Surface, and its Periodic Changes from the Mean of the Year, as obtained by Thermometer whose bulb is inserted six inches below the surface of the earth.*

Months, 1856.	Mean Temperature of Ground 6 inches below the Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°1	− 3°8	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ..... 78°7
February	76·9	− 4·0	
March	81·0	0·1	
April	83·9	3·0	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer..... 83·1
May	85·8	4·9	
June	84·0	3·1	Mean of the Year ..... 80·9
July	82·6	1·7	
August	81·7	0·8	
September	80·9	0·0	Greatest Monthly Mean, in May ..... 85·8
October	81·4	0·5	Least Monthly Mean, in December ..... 76·5
November	79·6	− 1·3	
December	76·5	− 4·4	Difference..... 9·3

TABLE XLVIII.—*Mean Temperature of Ground twenty inches below its Surface for each Day of Bombay Civil Time, as obtained by Thermometer whose bulb is inserted twenty inches below the surface of the Ground.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	79°6	78°4	79°5	82°0	84°7	86°2	85°0	83°7		81°7	81°5	
2	79·5	78·2		82·0	84·8		85·0	83·6	82·8	81·7		80·0
3	79·3		79·5	82·0	84·8	86·0	85·0		82·6	81·9	81·4	80·0
4	79·3	77·9	79·5	82·0		85·9	84·7	83·5	82·6	82·0	81·4	79·9
5	79·3	77·9	79·6	82·3	85·0	85·8	84·5	83·5	82·6		81·4	79·7
6		77·9	79·8		85·0	85·4		83·5	82·6	82·1	81·4	79·5
7	79·3	77·9	80·3	82·7	85·0	85·3	84·5	83·5		82·2	81·4	
8	79·3	77·9	80·5	82·9	85·1		84·4	83·1	82·6	82·2	81·5	79·3
9	79·2	77·9		83·1	85·2	85·0	84·3	83·0	82·6	82·2		79·1
10	79·1		80·8	83·1	85·2	84·8	84·3		82·6	82·8	81·6	79·0
11	79·4	78·3	80·9	83·2		84·9	84·3	82·9	82·6	82·8	81·7	79·0
12	79·5	78·2	81·0	83·3	85·4	84·9	84·3	82·9	82·6		81·8	79·0
13		78·4	81·1		85·5	84·9		83·0	82·6	83·0	81·8	79·0
14	79·5	78·6	81·2	83·4	85·6	84·9	84·3	83·0		83·0	81·5	
15	79·5	78·6	81·3	83·6	85·6		84·3		82·6	82·9	81·4	78·8
16	79·5	78·6		83·6	85·7	84·9	84·3	83·0	82·5	82·8		78·7
17	79·5		81·7	83·7	85·8	84·9	84·3		82·5	82·5	81·1	78·4
18	79·4	78·7	81·8	83·7		84·9	84·3	83·0	82·5	82·3	81·0	78·1
19	79·2	78·9	81·9	83·7	85·9	85·0	84·2	83·0	82·5		80·9	78·0
20		79·0	82·0		85·9	85·0		83·0	82·4	82·4	80·9	78·0
21	79·1	79·0		83·8	86·0	85·0	84·2	83·0		82·4	80·9	
22	79·1	79·1		84·0	86·1		84·2	83·0	82·0	82·3	80·8	78·0
23	79·1	79·1		84·1	86·1	85·0	84·2	83·0	81·7	82·1		78·0
24	79·1	79·1	82·1	84·1		85·0	84·2		81·6	82·0	80·8	78·0
25	79·1		82·0	84·1		85·0	84·2	83·0	81·5	82·0	80·4	78·0
26	79·1	79·4	81·8	84·1	86·2	85·0	84·2	83·0	81·5		80·2	78·0
27		79·5	81·8		86·2	85·0		83·0	81·5		80·2	
28	79·0	79·5	81·7	84·4	86·2	85·0	83·7	83·0		81·7	80·1	
29	79·0	79·5	81·7	84·6	86·2		83·7	83·0	81·6	81·4	80·0	78·0
30	79·0			84·7	86·2	85·0	83·7	83·0	81·7	81·4	80·0	78·0
31	78·6		82·2		86·2		83·7	83·0		81·4		78·0

TABLE XLIX.—*Showing, for each Month, the Mean Temperature of the Ground twenty inches below its Surface; and its Periodic Changes from the Mean of the Year, as obtained by Thermometer whose Bulb is inserted twenty inches below its Surface.*

Months, 1856.	Mean Temperature of Ground 20 inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	79°2	− 1°9	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter...	78°5
February	78·6	− 2·5		
March	81·1	0·0	Mean of {Apr. May, June, July, Aug. Sept.} or Summer..	83·8
April	83·4	2·3		
May	85·6	4·5	Mean of the year	81·1
June	85·2	4·1		
July	83·3	2·2		
August	83·2	2·1		
September	82·3	1·2	Greatest monthly mean, in May	85·6
October	82·2	1·1	Least monthly mean, in December	78·7
November	81·1	0·0		
December	78·7	− 2·4	Difference.....	6·9

TABLE L.—*Mean Temperature of the Ground sixty inches below its Surface, for each Day of Bombay Civil Time, as obtained by Thermometer whose Bulb is inserted sixty inches below the Surface of the Ground.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	83°5	82°4	82°0	83°3	84°9	86°3	86°0	85°7		84°2	83°5	
2	83·4	82·2		83·3	85·0		86·0	85·6	84°9	84·2		83°0
3	83·3		82·0	83·3	85·0	86·2	86·0		84·8	84·2	83·6	83·0
4	83·3	82·1	82·0	83·3		86·2	86·0	85·5	84·8	84·2	83·6	82·9
5	83·3	82·1	82·0	83·5	85·1	86·2	86·0	85·5	84·6		83·5	82·9
6		82·1	82·1		85·1	86·4		85·5	84·6	84·0	83·4	82·9
7	83·2	82·1	82·1	83·6	85·1	86·4	86·0	85·5		83·9	83·4	
8	83·1	82·0	82·1	83·7	85·4		86·0	85·4	84·6	83·8	83·4	82·9
9	83·0	82·0		83·8	85·5	86·0	86·0	85·2	84·5	83·8		82·8
10	83·0		82·2	83·8	85·5	85·7	86·0		84·5	83·8	83·4	82·8
11	83·0	82·0	82·3	83·9		85·9	86·0	85·0	84·5	83·8	83·4	82·8
12	83·0	82·0	82·3	83·9	85·6	85·9	86·0	85·0	84·5		83·4	82·6
13		82·0	82·4		85·6	85·9		85·0	84·5	83·9	83·4	82·4
14	83·0	82·0	82·4	83·9	85·7	85·9	86·0	85·0		83·9	83·4	
15	83·0	82·0	82·5	84·0	85·7		86·0		84·5	83·9	83·4	82·4
16	83·0	82·0		84·0	85·8	85·9	86·0	85·0	84·5	83·9		82·3
17	82·9		82·6	84·0	85·9	85·9	86·0		84·5	83·9	83·4	82·2
18	82·9	82·0	82·6	84·0		85·9	86·0	85·0	84·5	83·8	83·4	82·0
19	82·8	82·0	82·7	84·2	86·0	86·0	86·0	85·0	84·5		83·4	82·0
20		82·0	82·8		86·0	86·0		85·0	84·4	83·8	83·4	82·0
21	82·8	82·0		84·4	86·1	86·0	85·9	85·0		83·8	83·4	
22	82·8	82·0		84·5	86·2		85·9	85·0	84·4	83·8	83·4	82·0
23	82·8	82·0		84·5	86·2	86·0	85·9	85·0	84·4	83·8		82·0
24	82·8	82·0	82·7	84·6		86·0	85·9		84·4	83·8	83·3	82·0
25	82·8		82·8	84·8		86·0	85·9	85·0	84·4	83·8	83·2	82·0
26	82·8	82·0	82·9	84·8	86·3	86·0	85·9	85·0	84·4		83·1	82·0
27		82·0	83·2		86·3	86·0		85·0	84·3		83·2	
28	82·7	82·0	83·2	84·9	86·3	86·0	85·8	85·0		83·6	83·2	
29	82·7	82·0	83·2	84·9	86·3		85·7	85·0	84·2	83·4	83·2	82·0
30	82·7			84·9	86·3	86·0	85·7	85·0	84·2	83·4	83·1	82·0
31	82·6		83·3		86·3		85·7	85·0		83·4		82·0

TABLE LI.—*Showing, for each Month, the Mean Temperature of Ground sixty inches below its Surface, and its Periodic Changes from the Mean of the Year, as obtained by Thermometer whose Bulb is inserted sixty inches below the Surface of Ground.*

Months, 1856.	Mean Temperature of Ground 60 inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
			Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter..	82°9
January	83°0	− 1°0		
February.....	82·0	− 2·0	Mean of {Apr. May, June, / July, Aug. Sept.} or Summer..	85·2
March.....	82·5	− 1·5		
April	84·1	0·1	Mean of the year	84·0
May.....	85·7	1·7		
June	86·0	2·0		
July.....	85·9	1·9		
August.....	85·1	1·1		
September	84·5	0·5	Greatest monthly mean, in June	86·0
October	83·9	− 0·1	Least monthly mean, in February	82·0
November	83·4	− 0·6		
December	82·4	− 1·6	Difference	4·0

TABLE LII.—*Mean Temperature of Air within the Observatory, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	78°2	78°6	82°3	84°9	86°7	83°7	82°2	81°7	80°9	82°7	80°7	77°8	Midnight.
1 A. M.	77·5	78·3	82·0	84·7	86·6	83·7	82·1	81·6	80·7	82·1	80·5	77·6	1 A. M.
2 „	77·6	78·0	81·8	84·5	86·5	83·4	82·1	81·5	80·8	81·8	80·2	77·4	2 „
3 „	77·3	77·6	81·5	84·3	86·3	83·2	81·9	81·3	80·6	82·0	79·9	77·1	3 „
4 „	76·9	77·3	81·3	84·1	86·3	83·3	81·9	81·2	80·6	81·5	79·6	76·8	4 „
5 „	76·8	76·8	81·0	83·9	86·1	83·2	81·7	81·1	80·5	81·3	79·4	76·5	5 „
6 „	76·5	76·6	80·8	83·7	86·0	83·1	81·7	80·9	80·4	81·2	79·3	76·2	6 „
7 „	76·4	76·5	80·8	84·0	86·3	83·3	81·8	81·0	80·5	81·4	79·4	76·3	7 „
8 „	77·1	77·0	81·4	84·8	87·0	83·8	81·8	81·4	80·9	82·0	80·2	77·0	8 „
9 „	77·8	78·2	82·5	85·9	87·8	84·2	82·5	82·0	81·7	83·1	81·4	78·1	9 „
10 „	79·5	79·7	83·6	86·9	88·6	85·2	83·0	82·6	82·5	84·2	82·7	79·5	10 „
11 „	80·6	80·9	84·6	87·7	89·3	85·3	83·4	83·4	83·0	85·0	83·9	80·8	11 „
Noon.	81·6	81·8	85·4	88·3	89·8	85·9	83·7	83·8	83·7	85·5	84·8	81·8	Noon.
1 P. M.	82·3	82·3	85·9	88·3	90·1	86·3	84·0	84·1	83·6	85·7	85·4	82·6	1 P. M.
2 „	82·9	82·8	86·2	88·9	90·3	86·5	84·2	84·3	83·8	86·0	85·8	82·8	2 „
3 „	83·2	82·9	86·2	88·9	90·3	86·4	84·1	84·2	83·7	85·9	85·6	82·7	3 „
4 „	82·7	82·7	86·0	88·5	89·9	86·2	83·8	83·9	83·4	85·3	84·8	81·9	4 „
5 „	81·8	81·9	85·2	87·9	89·3	86·0	83·5	83·4	82·8	84·5	83·7	80·9	5 „
6 „	80·9	81·1	84·7	87·2	88·5	85·4	83·2	82·9	82·3	84·0	82·9	80·1	6 „
7 „	80·3	80·4	84·0	86·6	87·9	84·9	82·9	82·6	81·8	83·6	82·3	79·6	7 „
8 „	79·7	80·1	83·6	86·2	87·5	84·6	82·6	82·3	81·6	83·2	81·9	79·4	8 „
9 „	79·2	79·7	83·3	85·9	87·2	84·3	82·4	82·1	81·4	82·9	81·5	78·6	9 „
10 „	78·7	79·3	83·0	85·6	87·0	84·1	82·2	81·9	81·2	82·6	81·0	78·1	10 „
11 „	77·9	79·1	82·7	85·3	86·8	83·9	82·1	81·7	81·0	82·3	80·7	77·8	11 „

TABLE LIII.—*Mean Temperature of Air in contact with the Ground, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	74°4	74°6	79°0	81°7	83°6	81°9	80°5	79°7	78°4	78°6	76°1	72°7	Midnight.
1 A. M.	74·0	74·3	78·9	81·3	83·4	81·7	80·3	79·7	78·2	78·4	75·7	72·4	1 A. M.
2 „	73·5	73·8	78·6	81·0	83·2	81·2	80·0	79·5	78·2	78·1	75·4	72·0	2 „
3 „	73·1	73·5	78·0	80·6	83·0	8·14	80·0	79·3	77·9	78·0	75·1	71·6	3 „
4 „	72·8	72·9	77·5	80·2	82·8	81·2	79·9	79·1	77·7	77·8	74·8	71·2	4 „
5 „	72·3	72·0	77·4	79·8	82·5	81·0	80·0	79·1	77·7	77·7	74·7	70·8	5 „
6 „	72·1	71·6	77·1	80·4	83·0	81·3	80·0	79·0	77·9	77·4	74·5	70·6	6 „
7 „	72·4	72·6	78·2	82·5	84·8	82·4	80·7	79·8	78·8	78·8	75·5	71·1	7 „
8 „	74·2	74·9	80·7	84·7	86·8	83·8	81·3	80·7	80·2	80·4	77·5	73·4	8 „
9 „	75·8	76·6	82·4	85·7	87·9	84·4	82·1	81·8	80·2	81·7	79·2	75·4	9 „
10 „	77·6	78·7	83·8	86·7	88·5	85·2	82·8	82·7	82·2	82·8	80·9	77·3	10 „
11 „	79·6	79·9	84·6	87·8	89·6	85·9	83·1	83·7	82·5	83·7	82·4	78·9	11 „
Noon.	80·8	77·8	85·4	88·6	90·3	86·8	83·4	84·1	82·9	84·4	83·6	80·6	Noon.
1 P. M.	81·7	81·8	86·0	89·2	90·8	87·0	83·7	84·2	83·1	85·0	84·3	81·4	1 P. M.
2 „	82·4	82·2	86·4	89·7	91·1	87·0	84·0	84·7	83·7	85·5	84·8	81·6	2 „
3 „	82·8	82·3	86·4	89·5	90·7	86·6	83·8	84·3	83·6	85·7	84·5	81·3	3 „
4 „	82·3	82·0	86·1	88·8	89·9	86·1	82·9	83·5	82·8	85·1	83·5	80·5	4 „
5 „	80·8	82·2	84·9	87·2	88·2	85·0	82·3	82·2	81·4	83·1	81·2	78·4	5 „
6 „	78·7	79·2	82·6	84·8	86·2	83·9	81·7	81·2	80·2	81·7	80·8	76·9	6 „
7 „	77·8	77·7	81·3	83·6	84·6	82·8	81·3	80·7	79·6	80·9	79·2	76·0	7 „
8 „	77·0	77·2	80·8	83·1	84·1	82·3	80·9	80·6	79·2	80·5	78·7	75·4	8 „
9 „	76·1	76·7	80·3	82·9	84·0	82·3	80·8	80·5	79·1	80·0	77·9	74·4	9 „
10 „	75·3	75·9	79·8	82·6	83·9	82·0	80·5	80·3	78·6	79·4	76·9	73·3	10 „
11 „	74·5	75·4	79·4	82·3	83·7	81·9	80·6	79·8	78·5	78·7	76·2	72·9	11 „

TABLE LIV.—*Mean Temperature of Ground six inches below its surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	77°1	76°9	80°7	83°6	85°6	83°9	82°5	81°5	80°6	81°2	79°5	76°4	Midnight.
1 A. M.	76·8	76·8	80·7	83·6	85·5	83·8	82·4	81·5	80·5	81·0	79·4	76·3	1 A. M.
2 „	76·7	76·6	80·6	83·4	85·3	83·8	82·4	81·4	80·4	80·9	79·3	76·2	2 „
3 „	76·5	76·5	80·4	83·3	85·2	83·7	82·3	81·4	80·3	80·8	79·1	76·0	3 „
4 „	76·3	76·3	80·3	83·1	85·2	83·5	82·2	81·3	80·3	80·7	78·9	75·8	4 „
5 „	76·2	76·2	80·1	83·0	85·0	83·5	82·2	81·2	80·3	80·6	78·7	75·7	5 „
6 „	76·0	76·0	80·0	82·9	85·0	83·4	82·2	81·1	80·2	80·5	78·6	75·5	6 „
7 „	75·9	75·9	79·9	82·9	85·1	83·4	82·2	81·1	80·2	80·6	78·5	75·4	7 „
8 „	76·0	76·0	80·1	83·2	85·3	83·6	82·3	81·2	80·4	80·7	78·7	75·6	8 „
9 „	76·3	76·3	80·5	83·5	85·6	83·7	82·3	81·4	80·6	81·0	79·0	75·7	9 „
10 „	76·6	76·6	80·7	83·7	85·8	83·9	82·5	81·5	80·8	81·2	79·3	76·0	10 „
11 „	76·9	76·9	80·9	84·0	86·0	84·1	82·6	81·8	81·0	81·5	79·7	76·4	11 „
Noon.	77·3	77·2	81·2	84·2	86·2	84·2	82·7	82·0	81·1	81·6	80·0	76·7	Noon.
1 P. M.	77·5	77·5	81·4	84·5	86·5	84·5	82·9	82·1	81·2	81·7	80·3	77·2	1 P. M.
2 „	77·8	77·7	81·7	84·8	86·7	84·6	83·0	82·3	81·3	81·9	80·4	77·4	2 „
3 „	78·0	77·9	81·8	85·0	86·8	84·7	83·0	82·4	81·4	82·1	80·6	77·5	3 „
4 „	78·2	80·6	81·9	85·0	86·8	84·7	83·0	82·3	81·5	82·1	80·8	77·6	4 „
5 „	78·2	81·3	82·0	84·9	86·7	84·6	82·9	82·2	81·4	82·1	80·4	77·5	5 „
6 „	78·0	78·0	81·8	84·7	86·5	84·4	82·8	82·0	81·2	81·9	80·2	77·3	6 „
7 „	77·8	77·8	81·6	84·4	86·2	84·3	82·7	81·9	81·1	81·8	80·1	77·1	7 „
8 „	77·7	77·7	81·4	84·2	85·9	84·2	82·7	81·8	81·0	81·7	80·0	77·1	8 „
9 „	77·5	77·6	81·2	84·1	85·8	84·0	82·6	81·8	80·9	81·6	79·9	76·8	9 „
10 „	77·3	77·4	81·1	84·0	85·7	84·0	82·5	81·7	80·8	81·5	79·8	76·7	10 „
11 „	77·1	77·3	80·9	83·8	85·6	83·9	82·5	81·6	80·7	81·3	79·6	76·4	11 „

The mean temperature of ground, 20 and 60 inches under its surface, corresponds nearly with the mean monthly values of each of their respective temperatures, so that the mean monthly temperature of them might answer well in giving the mean hourly readings approximately.

TABLE LV.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Temperature of Air within the Observatory, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Air within the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air, within the Observatory, was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	83°2	76°4	6°8	3 P. M.	7 A. M.
February	82·9	76·5	6·4	3 „	7 „
March	86·2	80·8	5·4	3 „	7 „
April	88·9	83·7	5·2	3 „	6 „
May.....	90·3	86·0	4·3	3 „	6 „
June.....	86·5	83·1	3·4	2 „	6 „
July.....	84·2	81·7	2·5	2 „	6 „
August.....	84·3	80·9	3·4	2 „	6 „
September	83·8	80·4	3·4	2 „	6 „
October	86·0	81·2	4·8	3 „	6 „
November	85·8	79·3	6·5	2 „	6 „
December.....	82·8	76·2	6·6	2 „	6 „

The difference between the greatest and least is 14°1.

Mean diurnal range for summer is 7°8.

Mean diurnal range for winter is 12°1.

TABLE LVI.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Temperature of Air in Contact with the Surface of the Ground, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Air in contact with the Ground.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air, in contact with the Ground, was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	82°8	72°1	10°7	3 P. M.	6 A. M.
February	82·3	71·6	10·7	3 „	6 „
March	86·4	77·1	9·3	3 „	6 „
April	89·7	79·8	9·9	2 „	5 „
May.....	91·1	82·5	8·6	2 „	5 „
June.....	87·0	81·0	6·0	2 „	5 „
July.....	84·0	79·9	4·1	2 „	4 „
August.....	84·7	79·0	5·7	2 „	6 „
September ..	83·7	77·7	6·0	2 „	5 „
October	85·7	77·4	8·3	3 „	6 „
November ..	84·8	74·5	10·3	2 „	6 „
December....	81·6	70·6	11·0	2 „	6 „

The difference between the greatest and least is 20°5.

Mean diurnal range in summer is 6°7.

Mean diurnal range in winter is 10°0.

TABLE LVII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Temperature of the Ground, Six Inches below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of the Ground six inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of the Ground six inches below its Surface was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	78°2	75°9	2°3	5 P. M.	7 A. M.
February	81·3	75·9	5·4	5 „	7 „
March	82·0	79·9	2·1	5 „	7 „
April	85·0	82·9	2·1	4 „	6 „
May	86·8	85·0	1·8	4 „	6 „
June	84·7	83·4	1·3	4 „	6 „
July	83·0	82·2	0·8	4 „	6 „
August	82·4	81·6	0·8	3 „	6 „
September	81·5	80·2	1·3	4 „	6 „
October	82·1	80·5	1·6	4 „	6 „
November	80·8	78·5	2·3	4 „	7 „
December	77·6	75·4	2·2	4 „	7 „

The difference between the greatest and least is 11°4.
The mean diurnal range in summer is = 1°3.
The mean diurnal range in winter is = 2°6.

The temperature of the ground 20 and 60 inches below its surface remains nearly constant throughout the day; consequently no minimum and maximum can be given of those temperatures.

TABLE LVIII.—*Showing, for the Year* 1856, *the Mean Temperature of Air, within the Observatory, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Air within the Observatory.			Difference from the Mean of the Whole.
	Summer.	Winter.	Mean for the Year.	
Midnight.	83°5	80°0	81°7	− 1°0
1 A. M.	83·2	79·7	81·5	− 1·2
2 „	83·1	79·5	81·3	− 1·4
3 „	82·9	79·2	81·1	− 1·6
4 „	82·9	78·9	80·9	− 1·8
5 „	82·8	78·6	80·7	− 2·0
6 „	82·6	78·4	80·5	− 2·2
7 „	82·8	78·5	80·7	− 2·0
8 „	83·3	79·1	81·2	− 1·5
9 „	84·0	80·2	82·1	− 0·6
10 „	84·8	81·5	83·2	0·5
11 „	85·4	82·6	84·0	1·3
Noon.	85·9	83·1	84·5	1·8
1 P. M.	86·1	84·0	85·1	2·4
2 „	86·3	84·4	85·4	2·7
3 „	86·3	84·7	85·5	2·8
4 „	86·0	84·2	85·1	2·4
5 „	85·5	83·0	84·3	1·6
6 „	84·9	82·3	83·6	0·9
7 „	84·5	81·7	83·1	0·4
8 „	84·1	81·3	82·7	0·0
9 „	83·9	80·9	82·4	− 0·3
10 „	83·7	80·4	82·1	− 0·6
11 „	83·5	80·1	81·8	− 0·9

FOR DAY AND NIGHT.

	Summer.	Winter.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night..	83°6	80°0
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..	84·9	82·0
Mean.. ..		82°7

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at 2 and 3 P. M. in Summer.
A minimum at 6 A. M. in Summer.
A maximum at 3 P. M. in Winter.
A minimum at 6 A. M. in Winter.

TABLE LIX.—*Showing, for the Year* 1856, *the Mean Temperature of Air in Contact with the Ground, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Air in Contact with the Ground.			Difference from the Mean of the Whole.
	Summer.	Winter.	Mean for the Year.	
Midnight.	81°0	75°9	78°5	− 2°1
1 A. M.	80·8	75·6	78·2	− 2·4
2 „	80·5	75·2	77·9	− 2·7
3 „	80·4	74·9	77·8	− 2·8
4 „	80·2	74·5	77·4	− 3·2
5 „	80·0	74·1	77·1	− 3·5
6 „	80·3	73·9	77·1	− 3·5
7 „	81·5	74·8	78·2	− 2·4
8 „	82·9	76·8	79·9	− 0·7
9 „	83·7	78·5	81·1	0·5
10 „	84·7	80·2	82·5	1·9
11 „	85·4	81·5	83·5	2·9
Noon.	86·0	82·1	84·1	3·5
1 P. M.	86·3	83·4	84·9	4·3
2 „	86·7	83·8	85·2	4·6
3 „	86·4	83·8	85·1	4·5
4 „	85·7	83·2	84·5	3·9
5 „	84·6	81·8	83·2	2·6
6 „	83·0	80·0	81·5	0·9
7 „	82·1	78·7	80·4	− 0·2
8 „	81·7	78·3	80·0	− 0·6
9 „	81·6	77·6	79·6	− 1·0
10 „	81·3	76·8	79·1	− 1·5
11 „	81·1	76·2	78·7	− 1·9

FOR DAY AND NIGHT.

	Summer.	Winter.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night..	81°1	76°5
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..	84·5	80·3
Mean.....		80·6

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum 2 P. M. in Summer.
A minimum 5 A. M. in Summer.
A maximum 2 and 3 P. M. in Winter.
A minimum 6 A. M. in Winter.

TABLE LX.—*Showing, for the Year* 1856, *the Mean Temperature of the Ground six inches below its Surface for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of the Ground six inches below its Surface.			Difference from the Mean of the Whole.
	Summer.	Winter.	Mean for the Year.	
Midnight.	83°0	78°6	80°8	− 0°3
1 A. M.	82·9	78·5	80·7	− 0·4
2 „	82·8	78·4	80·6	− 0·5
3 „	82·7	78·2	80·5	− 0·6
4 „	82·6	78·0	80·3	− 0·8
5 „	82·5	77·9	80·2	− 0·9
6 „	82·5	77·8	80·2	− 0·9
7 „	82·5	77·7	80·1	− 1·0
8 „	82·7	77·8	80·3	− 0·8
9 „	82·9	78·1	80·5	− 0·6
10 „	83·0	78·4	80·7	− 0·4
11 „	83·3	78·5	80·9	− 0·2
Noon.	83·4	79·0	81·2	0·1
1 P. M.	83·6	79·3	81·5	0·4
2 „	83·8	79·5	81·7	0·6
3 „	83·9	79·7	81·8	0·7
4 „	83·9	80·2	82·1	1·0
5 „	83·8	80·3	82·1	1·0
6 „	83·6	79·5	81·6	0·5
7 „	83·4	79·4	81·4	0·3
8 „	83·3	79·3	81·3	0·2
9 „	83·2	79·1	81·2	0·1
10 „	83·1	79·0	81·1	0·0
11 „	83·0	78·8	80·9	− 0·2

FOR DAY AND NIGHT.

	Summer.	Winter.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night..	83°0	79°1
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day..	83·3	78·1
Mean.....		81°1

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at 3 and 4 P. M. in Summer.
A minimum at 6 and 7 A. M. in Summer.
A maximum at 5 P. M. in Winter.
A minimum at 7 A. M. in Winter.

TABLE LXI.—*Excess of the Mean Hourly Temperature of Air within the Observatory, above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	-1°1	-1°0	-1°0	-1°2	-1°1	-0°8	-0°5	-0°7	-0°9	-0°6	-1°3	-1°2	Midnight.
1 A. M.	-1·8	-1·3	-1·3	-1·4	-1·2	-0·8	-0·6	-0·8	-1·1	-1·2	-1·5	-1·4	1 A. M.
2 „	-1·7	-1·6	-1·5	-1·6	-1·3	-1·1	-0·6	-0·9	-1·0	-1·5	-1·8	-1·6	2 „
3 „	-2·0	-2·0	-1·8	-1·8	-1·5	-1·3	-0·8	-1·1	-1·2	-1·3	-2·1	-1·9	3 „
4 „	-2·4	-2·3	-2·0	-2·0	-1·5	-1·2	-0·8	-1·2	-1·2	-1·8	-2·4	-2·2	4 „
5 „	-2·5	-2·8	-2·3	-2·2	-1·7	-1·3	-1·0	-1·3	-1·3	-2·0	-2·6	-2·5	5 „
6 „	-2·8	-2·0	-2·5	-2·4	-1·8	-1·4	-1·0	-1·5	-1·4	-2·1	-2·7	-2·8	6 „
7 „	-2·9	-2·1	-2·5	-2·1	-1·5	-1·2	-0·9	-1·4	-1·3	-1·9	-2·6	-2·7	7 „
8 „	-2·2	-2·6	-1·9	-1·3	-0·8	-0·7	-0·9	-1·0	-0·9	-1·3	-1·8	-2·0	8 „
9 „	-1·5	-1·4	-0·8	-0·2	0·0	-0·3	-0·2	-0·4	-0·1	-0·2	-0·6	-0·9	9 „
10 „	0·2	0·1	0·3	0·8	0·8	0·7	0·3	0·2	0·7	0·9	0·7	0·5	10 „
11 „	1·3	1·3	1·3	1·6	1·5	0·8	0·7	1·0	1·2	1·7	1·9	1·8	11 „
Noon.	2·3	2·2	2·1	2·2	2·0	1·4	1·0	1·4	1·9	2·2	2·8	2·8	Noon.
1 P. M.	3·0	2·7	2·6	2·2	2·3	1·8	1·3	1·7	1·8	2·4	3·4	3·6	1 P. M.
2 „	3·6	3·2	2·9	2·8	2·5	2·0	1·5	1·9	2·0	2·7	3·8	3·8	2 „
3 „	3·9	3·3	2·9	2·8	2·5	1·9	1·4	1·8	1·9	2·6	3·6	3·7	3 „
4 „	3·4	3·1	2·7	2·4	2·1	1·7	1·1	1·5	1·6	2·0	2·8	2·9	4 „
5 „	2·5	2·3	1·9	1·8	1·5	1·5	0·8	1·0	1·0	1·2	1·7	1·9	5 „
6 „	1·6	1·5	1·4	1·1	0·7	0·9	0·5	0·5	0·5	0·7	0·9	1·1	6 „
7 „	1·0	0·8	0·7	0·5	0·1	0·4	0·2	0·2	0·0	0·3	0·3	0·6	7 „
8 „	0·4	0·5	0·3	0·1	-0·3	0·1	-0·1	-0·1	-0·2	-0·1	0·0	0·4	8 „
9 „	-0·1	0·1	0·0	-0·2	-0·6	-0·2	-0·3	-0·3	-0·4	-0·4	-0·5	-0·4	9 „
10 „	-0·6	-0·3	-0·3	-0·5	-0·8	-0·4	-0·5	-0·5	-0·6	-0·7	-1·0	-1·0	10 „
11 „	-1·4	-0·5	-0·6	-0·8	-1·0	-0·6	-0·6	-0·7	-0·8	-1·0	-1·3	-1·2	11 „

TABLE LXII.—*Excess of the Mean Hourly Temperature of Air in Contact with the Ground, above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	-2°3	-2°5	-2°5	-2°7	-2°5	-1°7	-1°5	-1°6	-1°8	-2°4	-2°8	-2°7	Midnight.
1 A. M.	-2·7	-2·8	-2·6	-3·0	-2·7	-1·8	-1·5	-1·6	-2·0	-2·6	-3·2	-3·0	1 A. M.
2 „	-3·3	-3·3	-2·9	-3·3	-2·9	-2·3	-1·8	-1·8	-2·0	-2·9	-3·5	-3·4	2 „
3 „	-3·6	-3·6	-3·5	-3·7	-3·1	-2·2	-1·9	-2·0	-2·3	-2·0	-3·8	-3·8	3 „
4 „	-3·9	-4·2	-3·9	-4·1	-3·3	-2·3	-2·2	-2·2	-2·5	-2·2	-4·0	-4·2	4 „
5 „	-4·4	-5·1	-4·0	-4·5	-3·6	-2·6	-2·2	-2·2	-2·5	-2·3	-4·2	-4·6	5 „
6 „	-4·6	-5·5	-4·4	-3·9	-3·1	-2·2	-2·2	-2·3	-2·3	-2·6	-4·4	-4·8	6 „
7 „	-4·4	-4·5	-3·3	-1·2	-1·3	-1·2	-1·4	-1·5	-1·4	-2·2	-3·3	-4·4	7 „
8 „	-2·5	-2·2	-0·8	0·3	0·7	0·2	+0·5	-0·6	0·0	-0·6	-1·4	-2·0	8 „
9 „	-0·9	-0·3	0·9	1·4	1·8	0·9	0·5	0·5	0·0	0·7	0·3	0·0	9 „
10 „	0·9	-1·6	2·3	2·4	2·4	1·6	1·4	1·4	2·0	1·8	2·0	1·9	10 „
11 „	2·9	+2·9	3·1	3·5	3·5	2·4	1·5	2·4	2·3	2·7	3·5	3·5	11 „
Noon.	4·1	3·6	3·8	4·3	4·2	3·2	2·8	2·8	2·8	3·4	4·8	5·2	Noon.
1 P. M.	5·0	4·7	4·5	4·9	4·7	3·5	3·0	2·9	2·9	4·0	5·4	6·0	1 P. M.
2 „	5·7	5·1	5·0	5·4	5·0	3·5	3·4	3·4	3·5	4·5	5·9	6·2	2 „
3 „	6·1	5·2	4·9	5·2	4·6	3·0	3·0	3·0	3·4	4·7	5·6	5·9	3 „
4 „	5·6	4·9	4·6	4·5	3·8	2·5	2·2	2·2	2·7	4·1	4·6	5·0	4 „
5 „	4·1	5·0	3·4	2·9	2·1	1·5	1·0	0·9	1·2	2·1	2·4	3·0	5 „
6 „	2·0	2·1	1·1	0·5	0·1	0·3	-0·1	-0·1	0·0	0·7	1·9	1·6	6 „
7 „	1·1	0·6	-0·2	-0·7	-1·5	-0·7	-0·5	-0·6	-0·5	-0·1	0·3	0·6	7 „
8 „	0·3	0·1	-0·7	-1·3	-1·9	-0·9	-0·6	-0·7	-1·0	-0·5	-0·2	0·0	8 „
9 „	-0·6	-0·4	-1·2	-1·4	-2·0	-0·8	-0·8	-0·8	-1·1	-1·0	-1·0	-1·0	9 „
10 „	-1·2	-1·2	-1·7	-1·8	-2·2	-1·5	-1·0	-1·0	-1·0	-1·6	-1·6	-2·0	10 „
11 „	-2·3	-1·7	-2·1	-2·1	-2·4	-1·6	-1·5	-1·5	-1·6	-2·3	-2·7	-2·5	11 „

TABLE LXIII.—*Excess of the Mean Hourly Temperature of the Ground six inches below its Surface, above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	0°0	0°0	-0°2	-0°3	-0°3	-0°2		-0°1	-0°3	-0°2	-0°1	-0°1	Midnight.
1 A. M.	-0·3	-0·1	-0·3	-0·4	-0·4	-0·3	-0·1	-0·2	-0·4	-0·4	-0·2	-0·2	1 A. M.
2 „	-0·4	-0·3	-0·4	-0·5	-0·5	-0·2	-0·2	-0·3	-0·4	-0·5	-0·3	-0·4	2 „
3 „	-0·6	-0·4	-0·6	-0·6	-0·6	-0·3	-0·3	-0·3	-0·5	-0·6	-0·5	-0·5	3 „
4 „	-0·8	-0·6	-0·7	-0·8	-0·7	-0·5	-0·3	-0·4	-0·6	-0·6	-0·7	-0·7	4 „
5 „	-0·9	-0·7	-0·8	-0·9	-0·8	-0·6	-0·3	-0·5	-0·6	-0·7	-0·9	-0·8	5 „
6 „	-1·1	-0·9	-1·0	-1·0	-0·8	-0·6	-0·4	-0·6	-0·6	-0·8	-1·0	-1·0	6 „
7 „	-1·2	-1·0	-1·0	-1·0	-0·7	-0·6	-0·4	-0·6	-0·6	-0·8	-1·1	-1·1	7 „
8 „	-1·1	-0·9	-0·9	-0·7	-0·5	-0·4	-0·3	-0·5	-0·4	-0·6	-1·0	-1·0	8 „
9 „	-0·8	-0·6	-0·5	-0·4	-0·2	-0·3	-0·3	-0·3	-0·2	-0·4	-0·6	-0·8	9 „
10 „	-0·5	-0·3	-0·2	-0·2	0·0	-0·1	-0·1	-0·2	0·0	-0·2	-0·3	-0·5	10 „
11 „	-0·2	0·0	0·0	0·1	0·2	0·1	0·1	0·1	0·2	0·1	0·0	-0·2	11 „
Noon.	0·2	0·3	0·2	0·3	0·4	0·2	0·2	0·3	0·3	0·3	0·4	0·2	Noon.
1 P. M.	0·4	0·6	0·5	0·6	0·7	0·3	0·3	0·5	0·4	0·4	0·7	0·7	1 P. M.
2 „	0·7	0·8	0·7	0·9	0·8	0·6	0·4	0·6	0·5	0·6	0·8	0·9	2 „
3 „	1·0	1·0	0·9	1·1	1·0	0·6	0·5	0·8	0·7	0·7	1·0	1·1	3 „
4 „	1·1	3·7	1·0	1·0	1·0	0·7	0·4	0·7	0·7	0·8	1·2	1·1	4 „
5 „	1·1	4·4	1·0	1·0	0·8	0·6	0·3	0·5	0·6	0·7	0·8	1·0	5 „
6 „	0·9	1·1	0·8	0·8	0·6	0·4	0·3	0·3	0·4	0·6	0·6	0·8	6 „
7 „	0·8	0·9	0·6	0·5	0·3	0·3	0·2	0·2	0·3	0·4	0·5	0·7	7 „
8 „	0·6	0·8	0·4	0·3	0·1	0·2	0·1	0·1	0·1	0·3	0·4	0·6	8 „
9 „	0·4	0·7	0·2	0·2	0·0	0·0	0·0	0·1	0·0	0·3	0·3	0·3	9 „
10 „	0·3	0·5	0·1	0·1	0·1	0·0	-0·1	0·0	-0·1	0·1	0·1	0·1	10 „
11 „	0·1	0·4	0·0	-0·1	0·2	-0·1	-0·1	-0·1	-0·2	-0·1	-0·1	-0·1	11 „

TABLE LXIV.—*The Greatest and Least Temperature of External and Free Air, in the Simple Hourly Observations during the Year* 1856.

THE GREATEST TEMPERATURE OF AIR.

DATE AND TIME.		The extreme Highest.	Average from the calculated Results.	Above the Average.
2 January	3 P. M.	90·4	83·4	7·0
8 January	2 ,,	88·4	83·4	5·0
19 February	1 ,,	89·6	83·6	6·0
13 March	4 ,,	90·0	86·8	3·2
12 April	4 ,,	92·2	89·8	2·4
26 May	2 ,,	94·6	91·0	3·6
23 June	2 ,,	92·0	86·7	5·3
8 July	2 ,,	89·0	83·9	5·1
13 August	3 ,,	87·2	84·2	3·0
27 August	3 ,,	87·6	84·2	3·4
5 September	3 ,,	87·4	84·1	3·3
11 September	2 ,,	87·7	84·2	3·5
6 October	3 ,,	90·2	85·9	4·3
12 November	3 ,,	90·8	86·0	4·8
26 November	1 ,,	89·8	86·0	3·8
10 December	2 ,,	87·7	82·9	4·8

THE LEAST TEMPERATURE OF AIR.

DATE AND TIME.		The extreme Lowest.	Average from the calculated Results.	Below the Average.
		in.	in.	in.
18 January	7 A. M.	67·6	71·3	− 3·7
1 February	6 ,,	66·2	71·0	− 4·8
20 March	5 ,,	73·5	76·9	− 3·4
27 March	6 ,,	74·6	77·5	− 2·9
22 May	3 ,,	80·5	82·6	− 2·1
10 June	3 ,,	75·0	80·9	− 5·9
2 July	4 ,,	75·0	79·8	− 4·8
6 August	Midnight.	76·6	79·2	− 2·6
31 August	4 P. M.	73·0	83·2	− 10·2
13 September	4 A. M.	75·0	77·4	− 2·4
16 September	10 P. M.	75·4	78·2	− 2·8
19 September	8 ,,	73·6	79·1	− 5·5
22 November	6 A. M.	69·2	72·8	− 3·6
30 November	6 ,,	69·0	71·6	− 2·6
9 December	6 ,,	63·0	69·8	6·8

HYGROMETRIC STATE OF THE ATMOSPHERIC AIR.

From the temperature of evaporation (Wet Bulb Thermometer), and the temperature of external and free air, will be found the elements which go under the head Hygrometric State of the Air.

1. Dew-point.
2. Humidity of air.
3. Pressure of moisture.
4. Pressure of supposed dry air.
5. Weight of a cubic foot of common air.
6. Weight of water in a cubic foot of common air.
7. Weight required for complete saturation of a cubic foot of air.
8. Quantity of water actually evaporated in atmospheric air.

No days are considered as abnormal in calculating the following results.

TABLE LXV.—*Mean Temperature of Evaporation (Wet Bulb Thermometer) for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	67°6	63°0	72°4	75°1	79°0	78°3	77°4	77°5		78°0	79°2	
2	67·2	65·7		78·1	79·2		76·2	77·0	78°0	78·5		69°6
3	68·6		73·8	78·5	79·5	77·5	77·7		77·3	78·2	77·7	68·1
4	70·2	65·4	74·9	77·1		78·1	78·7	77·7	76·9	78·4	78·2	68·8
5	70·0	64·8	75·9	77·2	78·7	77·8	79·1	77·2	77·0		77·3	69·0
6		68·5	73·7		78·8	76·8		77·4	76·3	80·3	78·0	67·9
7	69·6	70·4	74·8	76·4	78·4	78·0	79·6	77·5		79·5	76·3	
8	71·1	70·4	76·6	78·0	78·3		79·8	77·1	75·7	79·5	76·4	63·0
9	71·5	69·6		77·8	78·0	77·1	79·0	77·1	75·8	78·4		61·4
10	70·0		76·0	77·9	78·5	79·0	78·9		75·1	80·1	70·9	67·1
11	72·1	70·6	76·2	76·2		79·3	78·9	77·0	74·4	78·7	69·8	70·7
12	71·0	71·4	76·2	76·7	79·0	80·6	79·4	76·9	74·4		69·7	74·5
13		71·2	75·7		79·3	80·4		77·9	74·9	76·3	69·1	74·8
14	69·3	70·0	78·1	78·7	78·9	80·3	77·0	77·8		76·3	69·2	
15	68·9	68·7	78·5	78·1	78·6		78·6		77·4	75·1	70·0	71·2
16	69·5	68·6		75·1	78·3	80·3	78·7	77·3	77·6	75·1		66·2
17	68·8		76·2	75·2	77·4	79·8	78·5		76·0	76·1	69·8	69·2
18	67·9	69·9	75·5	75·3		79·9	78·3	77·0	76·3	76·8	70·8	71·4
19	67·5	68·2	74·4	76·6	79·6	80·3	78·2	76·9	74·4		71·1	69·9
20		70·6	73·6		80·8	80·1		76·9	73·6	74·8	71·0	69·0
21	71·9	73·1		78·1	80·0	80·1	79·0	77·8		73·6	69·1	
22	71·7	70·9		78·5	80·1		78·8	77·4	75·6	74·2	67·7	71·1
23	71·7	70·6		78·5	80·8	79·6	78·0	77·0	75·6	73·9		70·7
24	72·8	72·7	74·7	79·2		79·4	76·6		75·4	73·4	71·8	68·8
25	72·6		73·2	79·2		79·3	77·4	76·5	75·9	73·9	74·1	67·0
26	72·0	70·3	73·5	78·9	80·6	78·8	77·9	76·5	76·0		74·5	67·4
27		68·8	74·4		79·9	78·7		77·0	76·8		71·8	
28	68·6	69·5	75·3	78·2	80·2	79·7	77·5	76·8		76·6	67·0	
29	66·8	70·5	75·7	78·6	80·6		77·9	76·9	78·7	74·7	69·3	69·1
30	67·0			79·4	79·7	79·8	77·9	76·3	77·6	72·4	70·5	70·1
31	64·0		73·4		77·7		78·0	75·8		72·3		69·1

TABLE LXVI.—*Showing, in each Month of the Year* 1856, *the Number of Instances in which the Mean Daily Temperature of Evaporation was within certain Limits.*

Limits.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole number of Cases in the Year.
Greater than 1° and less than 2°	8	9	9	7	1	5	5	1	3	8	7	8	71
„ 2 „ 3	1	6	4	1	2		2		4	4	3	3	30
„ 3 „ 4	2	1		2								4	9
„ 4 „ 5	1										2	1	4
„ 5 „ 6											1	2	3

It appears from this table that, out of 307 instances, there were 117 in which the mean difference between the daily temperature of Wet Bulb, on two consecutive days, was greater than 1°; and there were only 3 instances in which the difference was greater than 5°.

TABLE LXVII.—*Showing, for the Year* 1856, *the Highest and Lowest Mean Daily Temperature of Evaporation.*

Months, 1856.	Mean Daily Temperature of Wet Bulb.		Difference.	The Day on which the Temperature of Wet Bulb was	
	Greatest.	Least.		Greatest.	Least.
				D.	D.
January	72°8	64°0	8°8	24	31
February	73·1	63·0	10·1	21	1
March	78·5	72·4	6·1	15	1
April	79·2	75·1	4·1	25	1 & 16
May	80·8	77·4	3·4	20 & 23	17
June	80·6	76·8	3·8	12	6
July	79·8	76·2	3·6	8	2
August	77·9	75·8	2·1	13	31
September	78·7	73·6	5·1	29	20
October	80·3	72·3	8·0	6	31
November	79·2	67·7	11·5	1	22
December	74·8	61·4	13·4	13	9

The extreme difference between the mean daily values of evaporation was 19·4, being the difference of the values of 20th May and 9th December. It appears from this table that the least mean values occur generally about the beginning of the month, and the highest mean values about the close and middle of any month.

TABLE LXVIII.—*Showing the Greatest and Least Difference between the Mean Daily Reading of consecutive Days.*

Months, 1856.	Difference between the Mean Daily Temperature.		Difference.	The day on which the Difference was	
	Greatest.	Least.		Greatest.	Least.
				D. D.	D. D.
January	+ 4°4	0°0	4°4	19 and 21	22 and 23
February	+ 3·7	0·0	3·7	5 and 6	7 and 8
March	+ 2·4	0·0	2·4	13 and 14	11 and 12
April	± 3·1	0·0	3·1	1·02 / 15·16	24 and 25
May	+ 2·2	± 0·1	1·1	17 and 19	7·08 / 21·22
June	+ 1·9	0·0	1·9	9 and 10	20 and 21
July	+ 2·4	0·0	2·4	30·01 / 12·14	29 and 30
August	+ 1·0	0·0	1·0	12 and 13	Three times.
September	+ 2·5	0·0	2·5	13 and 15	11·12 / 22·23
October	- 2·4	0·0	2·4	11 and 13	7·08 / 15·16
November	- 5·5	± 0·1	5·4	8 and 10	Three times.
December	+ 5·7	+ 0·3	5·4	9 and 10	12 and 13

The greatest difference between the daily means of two consecutive days was 5°7, which occurred between 9th and 10th of December.

The greatest differences generally occurred during the first half of the month, and the least during the latter half of the month.

TABLE LXIX.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Temperature of Evaporation was, in each Month, Greatest and Least in the Simple Hourly Observations.*

Months, 1856.	The Mean Hourly		Extreme Monthly Range.	The Time at which the Mean Hourly was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				D. H.	D. H.
January	77°8	59°6	18°2	8 3 P. M.	31 11 P. M.
February	78·0	58·0	20·0	28 3 „	5 6 A. M.
March	82·0	67·3	14·7	14 1 „	1 1 „
April	82·0	70·0	12·0	30 11 A. M.	5 6 „
May	83·8	74·0	9·8	22 3 P. M. / 23 1 „	21 6 P. M.
June	83·0	73·0	10·0	13 Noon. / 14 Noon.	11 3 A. M.
July	82·0	74·6	7·4	Four times.	24 8 P. M.
August	81·0	73·0	8·0	6 6 P. M.	25 6 A. M.
September	80·4	71·8	8·6	16 11 A. M.	20 Midnight.
October	83·4	68·0	15·4	10 2 P. M.	30 2 A. M.
November	80·7	61·6	19·1	6 3 „	28 6 „
December	79·0	55·0	24·0	12 1 „ / 13 3 „	9 4 „

The greatest range of the temperature of evaporation was 28°8, being the difference of 83°8 on the 22nd and 23rd of May; and 55°0, which occurred on the 9th of December. The times of maximum and minimum temperatures are not uniform, showing that the humidity of atmospheric air does not remain regular in its changes as the pressure of atmospheric air.

TABLE LXX.—*Showing, for each Month, the Mean Temperature of Evaporation, and its Excess above the Average of Ten Years, as obtained from the Temperature of Wet Bulb Thermometer.*

Months, 1856.	Mean Temperature of Evaporation.	Excess above the Average of Ten Years.	FOR SEASONS.	
January	69°6	2°8	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter...	71°9
February	69·3	0·6		
March	75·1	2·0	Mean of {Apr. May, June, July, Aug. Sept.} or Summer..	77·9
April	77·6	1·2		
May.....	79·2	0·5	Mean of the year	74·9
June.....	79·2	0·0		
July.....	78·3	0·1		
August.....	77·1	- 0·1		
September	76·1	- 0·6	Greatest monthly mean, in May	79·2
October	76·4	- 0·6	Least monthly mean, in February.....	69·3
November	72·1	- 0·5		
December	69·0	- 0·2	Difference.....	9·9

The monthly means during this year did not fluctuate more than 3° from the normal mean, or the mean obtained from the observations of the last ten years.

TABLE LXXI.—*Daily Range of the Temperature of Evaporation, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	11°0	8°1	10°4	7°5	4°3	7°2	5°2	4°8		4°6	4°0	
2	11·0	10·8		7·0	3·3		2·2	3·6	3°4	4·6		6°9
3	9·6		8·0	4·8	3·6	5·2	3·2		3·2	4·4	4·4	10·2
4	9·4	7·0	6·5	3·8		5·3	4·6	3·3	3·7	5·6	3·8	8·8
5	8·0	10·0	5·2	8·8	3·7	7·4	4·0	3·0	4·8		4·0	3·5
6		8·6	7·0		4·0	4·4		6·0	3·7	3·2	5·7	9·0
7	10·0	4·8	10·0	7·4	4·3	5·4	5·0	4·1		5·0	4·5	
8	9·8	6·0	8·5	5·0	4·0		4·2	4·6	5·0	8·0	5·5	8·0
9	10·0	5·6		5·4	4·2	5·4	5·8	5·0	5·4	6·0		14·4
10	10·0		7·0	5·3	3·8	8·6	4·2		3·0	6·4	7·9	14·8
11	10·0	6·4	5·0	6·0		9·0	3·5	4·0	4·4	5·3	9·0	8·9
12	8·0	5·8	5·0	9·2	3·8	3·8	4·0	5·9	4·5		9·6	6·8
13		5·0	7·6		4·0	4·5		5·0	4·0	4·6	7·6	8·0
14	10·1	3·8	9·0	4·1	3·8	5·0	3·8	4·8		3·8	8·0	
15	7·2	5·2	4·6	4·9	4·8		5·4		3·0	8·0	7·1	10·2
16	11·0	7·0		6·8	3·6	3·4	6·0	3·0	6·4	7·5		9·0
17	11·0		2·5	5·0	3·5	5·0	3·2		3·0	7·3	9·5	11·0
18	5·5	11·2	5·6	6·4		5·8	4·0	6·5	4·0	4·0	9·3	7·4
19	10·0	14·0	5·0	7·0	3·3	4·6	3·4	6·0	3·0		8·1	9·2
20		15·0	9·0		6·3	5·0		3·5	2·9	3·7	6·0	9·8
21	7·4	8·0		6·0	9·6	3·4	2·4	5·3		4·0	4·8	
22	10·0	13·2		4·3	6·8		2·2	4·1	3·0	4·0	8·6	4·3
23	8·7	9·5		4·9	4·8	5·3	3·0	4·0	3·5	4·1		7·2
24	7·9		6·0	4·3		3·8	3·8		4·7	3·9	4·2	6·7
25	5·5	9·0	4·0	4·9		3·6	4·4	6·0	4·7	6·0	7·0	7·4
26	4·9	3·9	6·8	3·7	6·0	4·6	4·0	5·0	4·0		6·0	7·3
27		6·8	4·6		3·8	3·5		5·0	3·4		9·0	
28	5·3	6·0	5·6	3·4	3·0	5·3	3·0	4·0		6·6	10·0	
29	6·4	6·0	6·1	9·0	4·0		3·2	4·1	6·0	10·0	10·8	7·8
30	5·6			4·6	5·9	5·0	4·0	4·4	5·0	9·0	6·7	4·9
31	8·4		5·0		6·7		3·0	4·4		5·5		5·6

k—1856.

TABLE LXXII.—*Showing the Number of instances in which the Daily Range of the Temperature of Evaporation, or Wet Bulb, was within certain limits during the Year* 1856.

Daily Range of Evaporation.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Number of Cases in the Year.
Greater than 2° and less than 3°			1				3		1				5
„ 3 „ 4		2		3	11	6	10	5	11	4	1	1	54
„ 4 „ 5	1	1	7	8	9	4	9	11	8	8	6	2	70
„ 5 „ 6	4	4	7	4	1	11	4	6	3	4	2	1	51
„ 6 „ 7	1	5	4	4	4		1	4	2	4	3	3	35
„ 7 „ 8	3	2	3	4		2				2	4	5	25
„ 8 „ 9	4	3	2	1		1				2	3	4	20
„ 9 „ 10	3	2	2	2	1	1				1	5	4	21
„ 10 „ 11	7	2	2							1	2	2	16
„ 11 „ 15	4	4										3	11

TABLE LXXIII.—*Showing the Greatest and Least Range of Temperature of Evaporation, in each Month, and Times on which they occurred.*

Months, 1856.	Daily Range of Evaporation.		Difference.	The day on which the Daily Range was	
	Greatest.	Least.		Greatest.	Least.
				D.	D.
January	11°0	4°9	6°1	Four times.	26
February	15·0	3·8	11·2	20	14
March	10·4	2·5	7·9	1	17
April	9·2	3·4	5·8	12	28
May	9·6	3·0	6·6	21	28
June	9·0	3·4	5·6	11	16 and 21
July	6·0	2·2	3·8	16	2 and 22
August	6·5	3·0	3·5	18	5 and 16
September	6·4	2·9	3·5	16	20
October	10·0	3·2	6·8	29	6
November	10·8	3·8	7·0	29	4
December	14·8	3·5	11·3	10	5

TABLE LXXIV.—*Showing the Mean Range of Temperature of Evaporation, in each Month of the Year* 1856.

Months, 1856.	Mean Monthly Range.	Excess above the Annual Mean.	FOR SEASONS.	
January	8°7	2°8		
February	7·9	2·0	Mean for Winter.....	7°2
March	6·2	0·3	Mean for Summer	4·6
April	5·7	− 0·2		
May.....	4·6	− 1·3	Annual Mean	5·9
June.....	5·0	− 0·9		
July.....	3·9	− 2·0	Greatest monthly mean, in January	8·7
August.....	4·6	− 1·3	Least monthly mean, in July.....	3·9
September	4·1	− 1·8		
October	5·4	− 0·5	Difference.....	4·8
November	7·0	1·1		
December	8·3	2·4		

It appears, from the preceding three tables of diurnal range of the temperature of evaporation, that there was only a single instance in February in which the range exceeded 15°, and there were 3 instances in which it exceeded 14°. There was no instance in which the range appeared less than 2°.

Out of 308 instances there were

129 cases in which the range was greater than 2° and less than 5°
152 „ „ „ „ 5 „ 10
27 „ „ „ „ 10 „ 15

The difference between the highest and lowest ranges in the year was 12°8; the ranges are generally greater in Winter than in Summer.

TABLE LXXV.—*Mean Temperature of Evaporation, or Wet Bulb, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	68°9	68°3	74°1	76°4	78°9	78°4	77°8	76°4	75°2	75°3	71°4	67°8	Midnight.
1 A. M.	68·6	68·4	74·1	76·4	78·0	78·2	77·5	76·3	75·0	75·3	71·2	67·8	1 A. M.
2 „	68·1	68·4	74·0	76·3	77·9	77·8	77·2	75·9	75·1	75·1	70·8	67·6	2 „
3 „	67·9	68·0	73·5	75·9	77·9	77·8	77·2	75·9	74·8	75·2	70·5	66·7	3 „
4 „	67·3	67·8	73·1	75·5	77·8	77·8	77·0	75·7	74·9	75·1	69·9	66·3	4 „
5 „	66·9	66·5	72·9	75·3	77·5	77·6	77.3	75·9	75·1	74·6	69·8	66·3	5 „
6 „	66·6	66·1	72·8	75·3	77·8	77·8	77·5	75·9	75·2	74·5	69·3	66·0	6 „
7 „	66·9	66·7	73·5	76·5	78·6	78·5	78·1	76·5	75·9	75·7	70·3	66·6	7 „
8 „	68·0	68·2	73·7	77·7	79·5	79·1	78·4	77·1	76·6	76·4	70·6	67·8	8 „
9 „	68·8	68·7	75·4	78·4	79·9	79·7	78·9	78·0	77·2	77·1	71·2	68·2	9 „
10 „	69·3	69·3	75·8	78·9	80·0	80·2	79·4	78·4	77·5	77·5	71·6	69·1	10 „
11 „	69·3	69·8	76·2	79·5	80·5	80·7	79·0	79·0	77·6	77·7	72·2	69·5	11 „
Noon.	70·0	70·9	77·2	79·8	80·9	81·3	79·4	79·0	77·4	77·9	72·6	69·9	Noon.
1 P. M.	71·0	72·0	77·5	79·8	81·1	81·0	79·5	78·9	77·4	78·3	72·9	71·3	1 P. M.
2 „	72·4	72·6	77·6	79·8	81·3	81·1	79·5	78·7	77·7	78·7	73·8	72·0	2 „
3 „	73·3	72·5	77·4	79·6	81·2	80·8	79·2	78·5	77·4	78·6	74·6	72·6	3 „
4 „	73·6	72·2	77·0	79·1	81·0	80·4	78·7	78·1	76·8	78·1	74·7	72·4	4 „
5 „	72·6	71·7	76·4	78·3	80·3	79·7	78·7	77·2	76·3	77·0	74·4	71·8	5 „
6 „	71·9	70·5	75·8	77·6	79·4	79·3	78·1	76·9	75·8	76·2	74·0	71·1	6 „
7 „	71·3	69·6	75·2	77·2	78·7	78·5	77.9	76·6	75·5	76·1	73·9	70·9	7 „
8 „	70·7	69·2	74·9	76·9	78·6	78·4	77·8	76·6	75·4	76·0	73·7	70·1	8 „
9 „	69·8	68·9	74·6	77·2	78·5	78·7	77·9	76·8	75·4	75·8	72·9	68·9	9 „
10 „	69·2	68·8	74·2	77·1	78·3	78·5	77·7	76·6	75·2	75·5	71·9	67·9	10 „
11 „	68·4	68·7	74·2	77·1	78·1	78·5	78·0	76·4	75·1	75·2	71·4	67·6	11 „

TABLE LXXVI.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time, at which the Mean Hourly Temperature of Evaporation in each Month was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	73°6	66°6	7°0	4 P. M.	6 A. M.
February	72·6	66·1	6·5	2 „	6 „
March	77·6	72·8	4·8	2 „	6 „
April	79·8	75·3	4·5	2 „	6 „
May	81·3	77·5	3·8	2 „	5 „
June	81·3	77·6	3·7	Noon	5 „
July	79·5	77·0	2·5	2 P. M.	4 „
August	79·0	75·7	3·3	Noon	4 „
September	77·7	74·8	2·9	2 P. M.	3 „
October	78·7	74·5	4·2	2 „	6 „
November	74·7	69·3	5·4	4 „	6 „
December	72·6	66·0	6·6	3 „	6 „

The times of maxima and minima are not constant; the lowest temperature generally occurs at sunrise, and the highest temperature at 2 P. M. In all seasons of the year there is little rise of temperature at about midnight. In the rainy season, the temperature becomes irregular, owing to the constant fall of rain, which makes the atmospheric air more or less humid so as to affect the wet bulb. There is a little rise of temperature at noon in the rainy months.

TABLE LXXVII.—*Mean Hourly Change of the Temperature of Evaporation.*

Bombay Civil Time.	MONTHS, 1856.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Between Midnight & 1 A. M.	− 0°3	0°1	0°0	0°0	− 0°9	− 0°2	− 0°3	− 0°1	− 0°2	0°0	− 0°2	0°0
1 & 2 A. M.	− 0·5	0·0	− 0·1	− 0·1	− 0·1	− 0·4	− 0·3	− 0·4	0·1	− 0·2	− 0·4	− 0·2
2 & 3 „	− 0·2	− 0·4	− 0·5	− 0·4	0·0	0·0	0·0	0·0	− 0·3	0·1	− 0·3	− 0·9
3 & 4 „	− 0·6	− 0·2	− 0·4	− 0·4	− 0·1	0·0	− 0·2	− 0·2	0·1	− 0·1	− 0·6	− 0·4
4 & 5 „	− 0·4	− 0·3	− 0·2	− 0·2	− 0·3	− 0·2	0·3	0·2	0·2	− 0·5	− 0·1	0·0
5 & 6 „	− 0·3	− 0·4	− 0·1	0·0	0·3	0·2	0·2	0·0	0·1	− 0·1	− 0·5	− 0·3
6 & 7 „	0·3	0·6	0·7	1·2	0·8	0·7	0·6	0·6	0·7	1·2	1·0	0·6
7 & 8 „	1·1	0·5	0·2	1·2	0·9	0·6	0·3	0·6	0·7	0·7	0·3	1·2
8 & 9 „	0·8	0·5	1·7	0·7	0·4	0·6	0·5	0·9	0·6	0·7	0·6	0·4
9 & 10 „	0·5	0·6	0·4	0·5	0·1	0·5	− 0·5	0·4	0·3	0·4	0·4	0·9
10 & 11 „	0·0	0·5	0·4	0·6	0·5	0·5	0·4	0·6	0·1	0·2	0·6	0·4
11 & Noon.	0·7	1·1	1·0	0·3	0·4	0·6	0·4	0·0	− 0·2	0·2	0·4	0·4
Noon & 1 P. M.	1·0	1·1	0·3	0·0	0·2	− 0·3	− 0·1	− 0·1	0·0	0·4	0·3	0·4
1 & 2 „	1·4	0·6	0·1	0·0	0·2	0·1	0·0	− 0·2	0·3	0·4	0·9	0·7
2 & 3 „	0·9	− 0·1	− 0·2	− 0·2	− 0·1	− 0·3	0·3	− 0·2	− 0·3	− 0·1	0·8	0·6
3 & 4 „	0·3	− 0·3	− 0·4	− 0·5	− 0·2	− 0·4	− 0·5	− 0·4	− 0·6	− 0·5	0·1	− 0·2
4 & 5 „	− 1·0	− 0·5	− 0·6	− 0·8	− 0·7	− 0·7	0·0	− 0·9	− 0·5	− 1·1	− 0·3	− 0·6
5 & 6 „	− 0·7	− 1·2	− 0·6	− 0·7	− 0·9	− 0·4	− 0·6	− 0·3	− 0·5	− 0·8	− 0·4	− 0·7
6 & 7 „	− 0·6	− 0·9	− 0·6	− 0·4	− 0·7	− 0·8	− 0·2	− 0·3	− 0·3	− 0·1	− 0·1	− 0·2
7 & 8 „	− 0·6	− 0·4	− 0·3	− 0·3	− 0·1	− 0·1	− 0·1	0·0	− 0·1	− 0·1	− 0·2	− 0·8
8 & 9 „	− 0·9	− 0·3	− 0·3	0·3	− 0·1	0·3	0·1	0·2	0·0	− 0·2	− 0·8	− 1·2
9 & 10 „	− 0·6	− 0·1	− 0·4	0·1	− 0·2	− 0·2	− 0·2	− 0·2	− 0·2	− 0·3	− 1·0	− 1·0
10 & 11 „	− 0·8	− 0·1	0·0	0·0	− 0·2	0·0	0·3	− 0·2	− 0·1	− 0·3	− 0·5	− 0·3
11 & Midnight.	0·5	− 0·4	− 0·1	− 0·7	0,8	− 0·1	− 0·2	0·0	0·1	0·1	0·0	0·2

TABLE LXXVIII.—*Mean Hourly Change of the Temperature of Evaporation between consecutive Hours, as obtained from the preceding Table.*

Bombay Civil Time.	Mean Amount of Change in		Character of Changes.	
	Summer.	Winter.	Summer.	Winter.
Between				
Midnight & 1 A. M.	0°3	0°1	Falling generally.	Falling, except in February.
1 & 2 A. M.	0·2	0·2	,, ,,	Generally falling.
2 & 3 ,,	0·1	0·4	,, ,,	Falling, except in October.
3 & 4 ,,	0·2	0·4	Falling, except in September.	Generally falling.
4 & 5 ,,	0·2	0·2	Variable.	,, ,,
5 & 6 ,,	0·1	0·3	Rising generally.	,, ,,
6 & 7 ,,	0·7	0·7	,, ,,	Generally rising.
7 & 8 ,,	0·7	0·7	,, ,,	,, ,,
8 & 9 ,,	0·6	0·8	,, ,,	,, ,,
9 & 10 ,,	0·4	0·5	Falling, except in July.	,, ,,
10 & 11 ,,	0·4	0·3	Rising generally.	,, ,,
11 A. M. & Noon.	0·3	0·6	Rising, except in September.	,, ,,
Noon & 1 P. M.	0·1	0·6	Falling, except in May.	,, ,,
1 & 2 ,,	0·1	0·7	Rising, except in August.	,, ,,
2 & 3 ,,	0·2	0·4	Falling, except in July.	Rising, except in Feb. March, and Oct.
3 & 4 ,,	0·4	0·3	Falling generally.	Falling, except in Jan. and November.
4 & 5 ,,	0·6	0·7	,, ,,	Generally falling.
5 & 6 ,,	0·6	0·7	,, ,,	,, ,,
6 & 7 ,,	0·4	0·4	,, ,,	,, ,,
7 & 8 ,,	0·1	0·4	,, ,,	,, ,,
8 & 9 ,,	0·2	0·6	Rising, except in June.	,, ,,
9 & 10 ,,	0·2	0·6	Falling generally.	,, ,,
10 & 11 ,,	0·1	0·3	Falling, except in July.	,, ,,
11 & Midnight.	0·3	0·2	Falling, except in May and September.	Rising, except in February and March.

TABLE LXXIX.—*Showing, for the Year* 1856, *the Mean Temperature of Evaporation, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Hourly Temperature of Evaporation.		Mean.	FOR DAY AND NIGHT.
	Summer.	Winter.		
Midnight.	77°2	71°0	74°1	
1 A. M.	76·9	70·9	73·9	
2 ,,	76·7	70·7	73·7	
3 ,,	76·6	70·3	73·4	
4 ,,	76·4	69·9	73·0	
5 ,,	76·4	69·5	72·9	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night.. 74°1
6 ,,	76·6	69·2	72·9	
7 ,,	77·3	69·9	73·6	
8 ,,	78·1	70·7	74·4	
9 ,,	78·8	71·6	75·2	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .. 75·7
10 ,,	79·1	72·1	75·6	
11 ,,	79·4	72·5	75·9	
Noon.	79·6	73·1	76·3	Mean.. 74°9
1 P. M.	79·8	73·8	76·8	
2 ,,	79·7	74·5	77·1	
3 ,,	79·4	74·8	77·1	
4 ,,	79·0	74·7	76·8	
5 ,,	78·4	74·0	76·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
6 ,,	77·8	73·2	75·5	
7 ,,	77·4	72·8	75·1	A minimum at about 5 A. M. in Summer.
8 ,,	77·3	72·4	74·8	A maximum at about 1 P. M. in Summer.
9 ,,	77·4	71·8	74·6	A minimum at about 6 A. M. in Winter.
10 ,,	77·2	71·2	74·2	A maximum at about 3 P. M. in Winter.
11 ,,	77·2	70·9	74·1	

TABLE LXXX.—*Showing the Excess of the Hourly Mean over the Annual Mean of the Temperature of Evaporation, during the Year* 1856.

Bombay Civil Time.	Excess.	Bombay Civil Time.	Excess.	Bombay Civil Time.	Excess.	Bombay Civil Time.	Excess.
		H.				H.	
Midnight.	− 0°8	6 A. M.	− 2°0	Noon.	1°4	6 P. M.	− 0°6
1 A. M.	− 1·0	7 „	− 1·3	1 P. M.	1·9	7 „	+ 0·2
2 „	− 1·2	8 „	− 0·5	2 „	2·2	8 „	− 0·1
3 „	− 1·5	9 „	− 0·3	3 „	2·2	9 „	− 0·3
4 „	− 1·9	10 „	− 0·7	4 „	1·9	10 „	− 0·7
5 „	− 2·0	11 „	− 1·0	5 „	1·3	11 „	− 0·8

It appears from this table that the observations of evaporation taken at 9 A. M. and 8 P. M. will differ but very little from the mean of the day. If the temperature of evaporation is to be determined from some combinations of observations, the hours indicated as best will be 9 A. M. and 9 P. M.; 1 A. M. and 11 A. M.; 5 A. M. and 2 P. M.; and 10 A. M. and 10 P. M.

TABLE LXXXI.—*Showing the Approximation to the Mean Temperature of Evaporation, for each Month, from various Combinations.*

Months, 1856.	Combinations of Observations taken at				Monthly Mean Temperature.	Differences of the Combinations of Observations with the True Mean for each month.			
	1 A. M. and 11 P. M.	5 A. M. and 2 P. M.	9 A. M. and 9 P. M.	10 A. M. and 10 P. M.		1 A. M. and 11 P. M.	5 A. M. and 2 P. M.	9 A. M. and 9 P. M.	10 A. M. and 10 P. M.
January	68°5	69°6	69°4	69°2	69°6	− 1°1	0°0	− 0°2	− 0°4
February ..	68·5	69·5	68·8	69·0	69·3	− 0·8	0·2	− 0·5	− 0·3
March	74·1	75·2	75·0	75·0	75·1	− 1·0	0·1	− 0·1	− 0·1
April	76·7	77·5	77·8	78·0	77·6	− 0·9	− 0·1	0·2	0·4
May	78·0	79·4	79·2	79·1	79·2	− 1·2	0.2	0·0	− 0·1
June	78·3	79·3	79·2	79·3	79·2	− 0·9	− 0·1	0·0	0·1
July	77·7	78·4	78·4	78·5	78·3	− 0·6	0·1	0·1	0·2
August	76·3	77·3	77·4	77·5	77·1	− 0·8	0·2	0·3	0·4
September ..	75·0	76·4	76·3	76·3	76·1	− 1·1	0·3	0·2	0·2
October	75·2	76·6	76·4	76·5	76·4	− 1·2	0·2	0·0	0·1
November ..	71·3	71·8	72·0	71·7	72·1	− 0·8	− 0·3	−0·1	− 0·4
December ..	67·7	69·1	68·5	68·5	69·0	− 1·3	0·1	−0·5	− 0·5

It appears from this table that the combination of

1 A. M. and 11 P. M. was too low by about 0°98
5 A. M. and 2 P. M. was too high by about 0·08
9 A. M. and 9 P. M. was too low by about 0·05
10 A. M. and 10 P. M. „ „ „ 0·03

The combination of 1 A. M. and 11 P. M. departs more from the true mean than all the other combinations given here.

TABLE LXXXII.—*Excess of the Mean Hourly Temperature of Evaporation above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	-0°8	-1°0	-1°0	-1°2	-0°3	-0°8	-0°4	-0°7	-0°9	-1°1	-0°7	-1°2	Midnight.
1 A. M.	-1·1	-0·9	-1·0	-1·2	-1·2	-1·0	-0·8	-0·9	-1·1	-1·1	-0·8	-1·2	1 A. M.
2 „	-1·5	-0·9	-1·2	-1·3	-1·3	-1·3	-1·0	-1·2	-0·9	-1·3	-1·3	-1·4	2 „
3 „	-1·7	-1·3	-1·6	-1·7	-1·3	-1·4	-1·1	-1·3	-1·3	-1·1	-1·6	-2·3	3 „
4 „	-2·3	-1·5	-2·0	-2·3	-1·4	-1·4	-1·3	-1·4	-1·2	-1·2	-2·2	-2·8	4 „
5 „	-2·7	-2·8	-2·2	-2·3	-1·7	-1·5	-0·9	-1·2	-1·0	-2·8	-2·3	-2·7	5 „
6 „	-3·0	-3·2	-2·3	-2·2	-1·4	-1·3	-0·8	-1·2	-0·9	-1·8	-2·7	-3·0	6 „
7 „	-2·8	-2·6	-1·6	-1·0	-0·7	-0·6	-0·2	-0·7	-0·2	-0·7	-1·8	-2·4	7 „
8 „	-1·6	-1·1	-1·4	0·2	0·3	-0·1	0·1	0·0	0·5	0·0	-1·5	-1·2	8 „
9 „	-0·9	0·6	0·3	0·8	0·7	0·5	0·7	0·9	1·1	0·7	-0·8	-0·8	9 „
10 „	-0·3	0·0	0·7	1·3	0·8	1·1	1·2	1·3	1·4	1·1	-0·5	0·1	10 „
11 „	-0·3	0·5	1·1	1·9	1·2	1·6	0·8	1·9	1·5	1·3	0·1	0·5	11 „
Noon.	0·3	1·5	2·1	2·2	1·7	2·2	1·2	1·8	1·3	1·5	0·6	0·9	Noon.
1 P. M.	1·4	2·7	2·4	2·2	1·9	1·9	1·3	1·8	1·3	2·9	0·8	2·3	1 P. M.
2 „	2·8	3·3	2·5	2·2	2·0	1·9	1·3	1·6	1·6	2·3	1·7	3·0	2 „
3 „	3·7	3·2	2·3	2·1	2·0	1·6	1·0	1·4	1·3	2·2	2·5	3·6	3 „
4 „	3·9	2·9	1·9	1·5	1·7	1·3	0·5	1·0	0·7	1·7	2·6	3·4	4 „
5 „	2·9	1·6	1·3	0·8	1·1	0·5	0·4	0·1	0·2	0·7	2·4	2·8	5 „
6 „	2·3	1·2	0·7	0·1	0·2	0·1	-0·2	-0·3	-0·3	-0·4	1·9	2·1	6 „
7 „	1·6	0·3	0·1	-0·4	-0·5	-0·7	-0·4	-0·5	-0·6	-0·2	1·9	1·9	7 „
8 „	1·1	-0·1	-0·2	-0·6	-0·7	-0·8	-0·5	-0·5	-0·7	-0·3	1·6	1·0	8 „
9 „	0·2	-0·5	-0·5	-0·4	-0·7	-0·5	-0·3	-0·4	-0·7	-0·5	0·8	-0·2	9 „
10 „	-0·5	-0·6	-0·9	-0·4	-1·0	-0·7	-0·5	-0·6	-1·0	-0·9	-0·2	-1·2	10 „
11 „	-1·2	-0·6	-0·9	-0·5	-1·1	-0·6	-0·2	-0·8	-0·9	-1·2	-0·7	-1·4	11 „

TABLE LXXXIII.—*Mean Hourly Values of Evaporation diminished by the Monthly Mean, and the Diurnal Changes for each Hour.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	0°0	-0°2	-0°2	-0°4	0°5	0°0	0°4	0°1	-0°1	-0°3	0°1	-0°4	Midnight.
1 A. M.	-0·1	0·1	0·0	-0·2	-0·2	0·0	0·2	0·1	-0·1	-0·1	0·2	-0·2	1 A. M.
2 „	-0·3	0·3	0·0	-0·1	-0·1	-0·1	0·2	0·0	0·3	-0·1	-0·1	-0·2	2 „
3 „	-0·2	0·2	-0·1	-0·1	0·2	0·1	0·4	0·2	0·2	0·4	-0·1	-0·8	3 „
4 „	-0·4	0·4	-0·1	-0·4	0·5	0·5	0·6	0·5	0·7	0·7	-0·3	-0·9	4 „
5 „	-0·7	-0·8	-0·2	-0·3	0·3	0·5	1·1	0·8	1·0	-0·8	-0·3	-0·7	5 „
6 „	-1·0	-1·2	-0·3	-0·2	0·6	0·7	1·2	0·8	1·1	0·2	-0·7	-1·0	6 „
7 „	-1·5	-1·3	-0·3	0·3	0·6	0·7	1·1	0·6	1·1	0·6	-0·5	-1·1	7 „
8 „	-1·1	-0·6	-0·9	0·7	0·8	0·4	0·6	0·5	1·0	0·5	-1·0	-0·7	8 „
9 „	-1·2	-0·9	0·0	0·5	0·4	0·2	0·4	0·6	0·8	0·4	-1·1	-1·1	9 „
10 „	-1·0	-0·7	0·0	0·6	0·1	0·4	0·5	0·6	0·7	0·4	-1·2	-0·6	10 „
11 „	-1·3	-0·5	0·1	0·9	0·2	0·6	-0·2	0·9	0·5	0·3	-0·9	-0·5	11 „
Noon.	-1·1	0·1	0·7	0·8	0·3	0·8	-0·2	0·4	-0·1	0·1	-0·8	-0·5	Noon.
1 P. M.	-0·5	0·8	0·5	0·3	0·0	0·0	-0·6	-0·1	-0·6	1·0	-1·1	0·4	1 P. M.
2 „	0·6	1·1	0·3	0·0	-0·2	-0·3	-0·9	-0·6	-0·6	0·1	-0·5	0·8	2 „
3 „	1·5	1·0	0·1	-0·1	-0·2	-0·6	-1·2	-0·8	-0·9	0·0	0·3	1·4	3 „
4 „	2·0	1·0	0·0	-0·4	-0·2	-0·6	-1·4	-0·9	-1·2	-0·2	0·7	1·5	4 „
5 „	1·6	0·3	0·0	-0·5	-0·2	-0·8	-0·9	-1·2	-1·1	-0·6	1·1	1·5	5 „
6 „	1·7	0·6	0·1	-0·5	-0·4	-0·5	-0·8	-0·9	-0·9	-0·7	1·3	1·5	6 „
7 „	1·4	0·1	-0·1	-0·6	-0·7	-0·9	-0·6	-0·7	-0·8	-0·4	1·7	1·7	7 „
8 „	1·2	0·0	-0·1	-0·5	-0·6	-0·7	-0·4	-0·4	-0·6	-0·2	1·7	1·1	8 „
9 „	0·2	0·2	-0·2	-0·1	-0·4	-0·2	0·0	-0·1	-0·4	-0·2	1·1	0·1	9 „
10 „	0·2	0·1	-0·1	0·3	-0·3	0·0	0·2	0·1	-0·3	-0·2	0·5	-0·5	10 „
11 „	-0·4	0·2	-0·1	0·3	-0·3	0·2	0·6	0·0	-0·1	-0·4	0·1	-0·6	11 „

TABLE LXXXIV.—*Showing, for the Year* 1856, *the Mean Hourly Sums of Numbers in the Table of Diurnal Inequality, without regard to the Signs of Numbers.*

Bombay Civil Time.	Sums of Hourly Columns.		Means.	FOR DAY AND NIGHT.
	Summer.	Winter.		
Midnight.	1°5	1°2	0°22	
1 A. M.	0·8	0·7	0·12	
2 „	0·8	1·1	0·16	
3 „	1·2	1·8	0·25	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night..... 0·41
4 „	3·2	2·8	0·50	
5 „	4·0	3·5	0·62	
6 „	4·6	4·4	0·75	
7 „	4·4	5·3	0·81	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 0·66
8 „	4.0	4·8	0·73	
9 „	2·9	4·5	0·62	Mean..... 0·53
10 „	2·9	3·9	0·57	
11 „	3·3	3·6	0·57	
Noon.	2·6	3·6	0·50	
1 P. M.	1·6	4·3	0·50	
2 „	2·6	3·4	0·50	
3 „	3·8	4·3	0·68	
4 „	4·7	5·4	0·84	TIMES OF MEAN MAXIMUM AND MINIMUM INEQUALITY OF TEMPERATURE.
5 „	4·7	4·1	0·82	
6 „	4·0	5·9	0·82	A maximum in Summer 6 A. M. and 5 P. M.
7 „	4·3	5·4	0·81	A minimum in Summer 2 A. M., 1 P. M., and 10 P. M.
8 „	3·2	4·3	0·62	A maximum in Winter 7 A. M. and 6 P. M.
9 „	1·2	2·0	0·27	A minimum in Winter 1 A. M.
10 „	1·2	1·7	0·24	
11 „	1·5	1·8	0·28	

Hence it appears that the temperature of evaporation departs most from the true mean at sunrise and sunset, but the temperature at 1 and 2 A. M. agrees nearly with the true mean.

TABLE LXXXV.—*Showing, for each Month, the Mean and Sum of Numbers in the preceding Table, or Monthly Sums of Diurnal Inequality, without regard to the Signs of Numbers.*

Months, 1856.	Sums of Vertical Columns in the preceding Table.	Mean Value.	FOR SEASONS.
January	21°2	1°77	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter.. 1°163
February	12·7	1·06	
March	4·6	0·38	
April	9·1	0·76	Mean of { April, May, June, / July, Aug. Sept. } or Summer.. 0·955
May	8·3	0·69	
June.....	9·8	0·82	Mean of the Year .. 1·059
July	14·4	1·20	
August.....	11·9	0·99	
September	15·2	1·27	Greatest monthly mean, in January.. 1·77
October	9·1	0·76	Least monthly mean, in March..... 0·38
November	17·4	1·45	
December.....	19·9	1·66	Difference .... 1·39

It appears from this table that the temperature of evaporation is more regular in March than in any other month; while in the month of January, when cold winds blow in the morning and evening, the temperature becomes quite irregular.

TABLE LXXXVI.—*The Greatest and Least Temperature of Evaporation, in the Simple Hourly Observations, during the Year* 1856.

THE GREATEST TEMPERATURE OF EVAPORATION.

DATE AND TIME.		The extreme Highest.	Average from the calculated Results.	About the Average.
8 January	3 P. M.	77°8	73°1	4°7
12 February	1 „	74·8	71·9	2·9
20 February	3 „	78·0	73·3	4·7
24 February	2 „	77·0	74·1	2·9
5 March	Noon.	79·2	75·1	4·1
14 March	1 P. M.	82·0	77·3	4·7
12 April	Noon.	81·2	79·5	1·7
26 May	3 P. M.	83·0	81·1	1·9
14 June	Noon.	83·0	81·3	1·7
7 July	2 P. M.	82·0	79·9	2·1
14 August	10 A. M.	80·8	78·4	2·4
16 September	11 „	30·4	77·6	2·8
29 September	2 P. M.	82·0	78·2	3·8
10 October	2 „	83·4	78·5	4·9
6 November	3 „	80·7	76·4	4·3
27 November	Noon.	76·0	71·5	4·5
12 December	1 P. M.	79·0	71·4	7·6
13 December	3 „	79·0	72·7	6·3

THE LEAST TEMPERATURE OF EVAPORATION.

DATE AND TIME.		The extreme Lowest.	Average from the calculated Results.	Below the Average.
19 January	6 A. M.	61·0	66·5	− 5·5
31 January	5 „	58·0	66·7	− 8·7
1 February	6 „	57·0	66·4	− 9·4
5 February	5 „	58·0	66·6	− 8·6
19 February	5 „	62·5	67·4	− 4·9
22 February	7 „	63·0	68·3	− 5·3
20 March	4 „	68·0	71·0	− 5·5
5 April	6 „	70·0	74·7	− 4·7
16 April	6 P. M.	71·0	77·7	− 6·7
29 April	10 „	72·2	77·6	− 5·4
11 June	3 A. M.	73·0	77·8	− 4·8
25 July	Midnight	73·0	77·3	− 4·3
30 October	2 A. M.	68·0	73·0	− 5·0
11 November	11 P. M.	65·0	71·0	− 6·0
22 November	5 A. M.	62·4	68·6	− 7·2
28 November	6 „	61·6	67·9	− 6·3
9 December	4 „	55·0	67·0	−12·0
16 December	6 „	61·0	66·0	− 5·0

TABLE LXXXVII.—*Mean Temperature of Dew Point, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	62°2	56°4	69°1	71°5	76°3	76°3	76°9	76°4		76°8	69°9	
2	61·6	60·6		75·4	76·5		75·8	76·1	76°7	77·4		66°2
3	64·5		71·0	76·4	77·1	76·8	77·3		75·6	76·8	76·4	64·2
4	67·1	60·4	72·6	74·7		77·0	77·8	76·5	75·1	76·9	76·7	65·7
5	67·3	59·0	74·2	74·9	75·8	76·8	78·5	76·3	74·7		75·8	65·3
6		64·5	70·3		76·1	75·9		76·5	74·2	78·8	76·6	63·5
7	66·3	67·0	71·8	73·6	75·4	76·9	78·1	76·3		77·8	73·9	
8	68·0	66·8	74·9	76·0	74·8		78·3	75·9	73·6	77·1	74·3	56·0
9	69·1	66·2		75·6	74·8	76·7	77·7	75·6	73·7	76·6		54·0
10	66·9		74·1	75·8	75·6	78·3	77·4		72·5	78·8	66·0	62·0
11	69·5	67·7	74·1	73·0		78·2	77·4	75·5	71·3	77·2	65·2	67·0
12	68·0	68·7	74·2	73·1	76·5	79·2	78·1	75·3	72·4		64·7	72·5
13		68·6	72·9		76·8	78·8		76·4	72·9	74·6	64·2	73·2
14	65·7	66·9	75·9	76·4	75·9	78·6	76·3	76·2		74·4	64·4	
15	66·3	64·7	76·5	75·5	75·5		77·7		76·4	73·0	66·0	68·6
16	66·0	64·6		71·4	75·1	79·0	77·4	75·7	76·6	73·1		6·24
17	65·2		73·4	71·5	73·8	78·4	77·2		74·4	74·1	66·0	66·8
18	64·5	66·1	72·2	71·0		78·2	77·0	75·7	74·6	74·8	67·1	69·5
19	63·1	62·9	71·6	73·0	77·3	78·5	76·8	75·4	73·7		68·0	67·2
20		65·5	70·9		78·7	78·2		75·7	73·0	72·9	67·4	66·2
21	69·5	69·9		75·5	77·9	78·0	77·5	76·4		71·4	65·2	
22	68·6	66·0		76·1	77·7		77·3	76·3	74·8	72·5	63·5	68·8
23	69·4	66·4		76·1	78·2	77·2	76·8	75·6	74·0	71·7		67·6
24	71·0	70·7	71·9	76·8		77·2	76·2		73·8	71·1	69·9	65·0
25	70·7		70·0	76·6		77·4	76·6	74·4	74·2	71·9	72·2	63·2
26	70·2	67·3	70·4	76·3	77·9	77·2	77·2	73·8	74·1		71·9	64·1
27		64·2	71·4		78·4	77·8		75·1	75·0		68·1	
28	65·5	65·4	72·3	75·5	78·1	78·2	76·8	75·6		74·9	61·2	
29	62·9	66·7	72·9	75·8	78·8		77·0	75·6	77·9	72·5	66·3	67·0
30	62·9			76·7	77·6	78·8	77·0	75·1	76·6	69·3	68·1	68·4
31	57·6		69·7		75·7		76·8	74·8		69·3		67·2

TABLE LXXXVIII.—*Showing, for each Month, the Mean Temperature of Dew Point, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Temperature of Dew Point.	Difference from the Mean of the Year.	FOR SEASONS.	
January	66°3	− 6°2	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	68°8
February	65·3	− 7·2		
March	72·4	− 0·1		
April	74·8	2·3	Mean of {Apr. May, June, July, Aug. Sept.} or Summer	76·1
May	76·7	4·2		
June	77·8	5·3	Mean of the year	72·5
July	77·2	4·7		
August	75·7	3·2		
September	74·5	2·0	Greatest monthly mean, in June	77·8
October	74·5	2·0	Least monthly mean, in February	65·3
November	68·9	− 3·6		
December	65·7	− 6·8	Difference	12·5

TABLE LXXXIX.—*Mean Temperature of Deduced Dew Point, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	66°7	65°3	72°2	74°4	77°3	77°4	77°0	75°4	74°0	74°2	69°4	65°5	Midnight.
1 A. M.	66·5	65·7	72·3	74·6	76·1	77·1	76·7	76·3	73·8	74·3	69·4	65·6	1 A. M.
2 „	66·0	65·9	72·3	74·8	76·1	76·8	76·4	74·8	74·0	74·2	68·9	65·5	2 „
3 „	65·8	65·6	71·8	74·2	76·1	76·7	76·4	74·8	73·7	74·4	68·5	64·3	3 „
4 „	65·2	65·5	71·5	73·8	76·1	76·7	76·1	74·7	73·9	74·3	67·8	63·9	4 „
5 „	64·6	64·0	71·3	73·6	75·8	76·5	76·5	75·0	74·2	73·7	67·7	64·1	5 „
6 „	64·3	63·5	71·2	73·6	76·0	76·7	76·7	75·0	74·3	73·6	67·1	64·2	6 „
7 „	64·6	64·1	71·8	74·3	76·4	77·7	77·3	75·6	75·0	74·8	68·1	64·6	7 „
8 „	65·1	64·9	70·9	74·8	76·9	77·7	77·4	76·0	75·4	74·8	67·5	65·0	8 „
9 „	65·2	64·5	72·3	75·1	76·7	78·2	77·9	77·2	75·6	75·2	67·3	64·3	9 „
10 „	64·9	64·1	72·2	75·4	76·6	78·6	78·3	77·0	75·6	75·2	66·9	64·8	10 „
11 „	63·8	64·0	72·5	75·8	76·9	79·0	77·7	77·3	75·5	75·1	67·0	64·5	11 „
Noon.	63·9	65·1	73·5	75·9	77·1	79·5	78·0	77·2	75·1	75·1	66·8	64·1	Noon.
1 P. M.	65·0	66·7	73·7	75·7	77·3	79·0	78·0	76·9	75·0	75·4	66·8	65·8	1 P. M.
2 „	67·1	67·4	73·6	75·6	77·5	79·0	78·0	76·6	75·1	75·4	68·1	67·0	2 „
3 „	68·3	67·2	73·3	75·4	77·5	78·2	77·6	76·3	74·7	75·6	69·7	68·2	3 „
4 „	69·3	66·9	73·0	74·9	77·6	78·3	77·3	76·1	74·3	75·1	70·3	68·2	4 „
5 „	68·8	66·7	72·7	74·6	77·4	77·8	77·5	75·4	74·3	74·4	71·2	68·6	5 „
6 „	69·0	66·6	73·0	74·6	77·0	77·9	76·9	75·4	74·1	74·0	71·4	68·3	6 „
7 „	68·6	65·6	72·8	74·6	76·5	77·1	76·8	75·3	73·9	74·1	71·7	68·4	7 „
8 „	68·0	65·2	72·6	74·5	76·6	77·1	76·8	75·4	73·9	74·3	71·6	67·5	8 „
9 „	67·1	65·0	72·4	75·0	76·6	77·6	77·2	75·6	74·3	74·0	70·8	66·3	9 „
10 „	67·6	65·3	72·0	75·0	76·4	77·4	76·9	75·6	73·9	74·0	69·8	65·3	10 „
11 „	65·9	63·2	72·2	75·2	76·1	77·5	77·3	75·3	74·0	74·0	69·3	65·2	11 „

TABLE XC.—*Showing, for the Year 1856, the Mean Temperature of Dew Point, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Dew Point.	Difference from the Mean of the Whole.
Midnight.	72°4	− 0°1
1 A. M.	72·4	− 0·1
2 „	72·1	− 0·4
3 „	71·9	− 0·6
4 „	71·6	− 0·9
5 „	71·6	− 0·9
6 „	71·4	− 1·1
7 „	72·0	− 0·5
8 „	72·2	− 0·3
9 „	72·5	0·0
10 „	72·5	0·0
11 „	72·4	− 0·1
Noon.	72·6	0·1
1 P. M.	72·8	0·3
2 „	73·4	0·9
3 „	73·5	1·0
4 „	73·4	0·9
5 „	73·4	0·9
6 „	73·3	0·8
7 „	72·8	0·3
8 „	72·8	0·3
9 „	72·7	0·2
10 „	72·4	− 0·1
11 „	72·1	− 0·4

For Day and Night.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night..... 72°3

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 72·7

Mean..... 72·5

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at about 6 A. M.
A maximum at about 3 P. M.

TABLE XCI.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Temperature of Dew Point, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Temperature of Dew Point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew Point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	69°3	64°3	5°0	4 P. M.	4 P. M.
February.....	67·4	63·5	3·9	2 „	6 „
March.....	73·7	70·9	2·8	1 „	8 „
April	75·9	73·6	2·3	Noon.	6 „
May.....	77·6	75·8	1·8	4 P. M.	5 „
June.....	79·5	76·7	2·8	Noon.	5 „
July.....	78·0	76·1	1·9	1 P. M.	4 „
August.....	77·3	74·7	2·6	11 A. M.	4 „
September	75·6	73·7	1·9	10 „	3 „
October	75·6	73·6	2·0	3 P. M.	6 „
November	71·7	67·1	4·6	7 „	6 „
December.....	68·6	73·9	4·7	5 „	4 „

TABLE XCII.—*Mean Excess of Hourly Temperature of Dew Point over the Monthly Mean, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	0°4	0°0	-0°2	-0°4	0°6	-0°4	-0°2	-0°3	-0°5	-0°3	0°5	-0°2	Midnight.
1 A. M.	0·2	0·4	-0·1	-0·2	-0·6	-0·7	-0·5	-0·6	-0·7	-0·2	0·5	-0·1	1 A. M.
2 „	-0·3	0·6	-0·1	0·0	-0·6	-1·0	-0·8	-0·9	-0·5	-0·3	0·0	-0·2	2 „
3 „	-0·5	0·3	-0·6	-0·6	-0·6	-1·1	-0·8	-0·9	-0·8	-0·1	-0·4	-1·4	3 „
4 „	-1·1	0·2	-0·9	-1·0	-0·6	-1·1	-1·1	-1·0	-0·6	-0·2	-1·1	-1·8	4 „
5 „	-1·7	-1·3	-1·1	-1·2	-0·9	-1·3	-0·7	-0·7	-0·3	-0·8	-1·2	-1·6	5 „
6 „	-2·0	-1·8	-1·2	-1·2	-0·7	-1·1	-0·5	-0·7	-0·2	-0·9	-1·8	-1·5	6 „
7 „	-1·7	-1·2	-0·6	-0·5	-0·3	-0·1	0·1	-0·1	0·5	0·3	-0·8	-1·1	7 „
8 „	-1·2	-0·4	-1·5	0·0	0·2	-0·1	0·2	0·3	0·9	0·3	-1·4	-0·7	8 „
9 „	-1·1	-0·8	-0·1	0·3	0·0	0·4	0·7	1·5	1·1	0·7	-1·6	-1·4	9 „
10 „	-1·4	-1·2	-0·2	0·6	-0·1	0·6	1·1	1·3	1·1	0·7	-2·0	-0·9	10 „
11 „	-2·5	-1·3	0·1	1·0	0·2	1·2	0·5	1·6	1·0	0·6	-1·9	-1·2	11 „
Noon.	-2·4	-0·2	1·1	1·1	0·4	1·7	0·8	1·5	0·6	0·6	-2·1	-1·6	Noon.
1 P. M.	-1·3	1·4	1·3	0·9	0·6	1·2	0·8	1·2	0·5	0·9	-2·1	0·1	1 P. M.
2 „	0·8	2·1	1·2	0·8	0·8	1·2	0·8	0·9	0·6	1·2	-0·8	1·3	2 „
3 „	2·0	1·9	0·9	0·6	0·8	0·4	0·4	0·6	0·2	1·1	0·8	2·5	3 „
4 „	3·0	1·6	0·6	0·1	0·9	0·5	0·1	0·4	-0·2	0·6	1·4	2·5	4 „
5 „	2·5	1·4	0·3	-0·2	0·7	0·0	0·3	-0·3	-0·2	-0·1	2·3	2·9	5 „
6 „	2·7	1·3	0·6	-0·2	0·3	0·1	-0·3	-0·3	-0·4	-0·5	2·5	2·6	6 „
7 „	2·3	0·3	0·4	-0·2	-0·2	-0·7	-0·4	-0·4	-0·6	-0·4	2·8	2·7	7 „
8 „	1·7	0·1	0·2	-0·3	-0·1	-0·7	-0·4	-0·3	-0·6	-0·2	2·7	1·8	8 „
9 „	0·8	0·3	0·0	0·2	-0·1	-0·2	0·0	-0·1	-0·2	-0·5	1·9	0·6	9 „
10 „	0·4	0·0	0·4	0·2	-0·3	-0·4	-0·3	-0·1	-0·6	-0·5	0·9	-0·4	10 „
11 „	-0·4	-2·1	-0·2	0·4	-0·6	-0·3	0·1	-0·4	-0·5	-1·5	0·4	-0·5	11 „

TABLE XCIII.—*Mean Pressure of Supposed Dry Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	29·394	29·405	29·210	29·062	28·896	28·634	28·676	28·721		28·918	29·132	
2	·415	·385		28·946	·862		·686	·754	28·855	·925		29·260
3	·350		·184	·954	·829	·724	·630		·886	·914	28·987	·304
4	·334	·436	·148	29·031		·795	·649	·791	·919	·873	·978	·299
5	·323	·421	·082	28·987	·899	·859	·629	·836	·971		29·032	·325
6		·303	·130		·881	·898		·850	·995	·776	·008	·388
7	·367	·249	·094	·988	·902	·792	·728	·895		·801	·085	
8	·342	·246	·014	·879	·895		·745	·890	29·059	·811	·062	·513
9	·350	·272		·881	·888	·668	·744	·885	·054	·868		·520
10	·411		28·989	·880	·894	·617	·728		·057	·788	·305	·356
11	·307	·258	29·031	·947		·685	·684	·840	·074	·843	·322	·259
12	·330	·214	·002	·916	·839	·684	·619	·849	·064		·305	·137
13		·250	28·967		·851	·653		·832	·039	·998	·325	·148
14	·361	·304	·901	·861	·902	·661	·703	·826		29·025	·318	
15	·364	·346	·943	·897	·883		·652		28·849	·085	·263	·210
16	·413	·348		29·054	·895	·682	·652	·837	·844	·086		·340
17	·435		29·041	·070	·928	·671	·677		·948	·036	·274	·226
18	·423	·300	·059	·044		·676	·686	·815	·980	·014	·225	·177
19	·393	·367	·066	28·962	·841	·730	·692	·819	29·010		·172	·252
20		·319	·050		·749	·781		·810	·010	·033	·175	·332
21	·318	·225		·882	·774	·782	·694	·759		·086	·211	
22	·276	·278		·869	·784		·709	·769	·007	·088	·201	·249
23	·237	·260		·902	·722	·794	·702	·802	·043	·131		·326
24	·165	·154	·039	·875		·751	·704		·017	·153	·164	·356
25	·213		·056	·867		·739	·764	·904	28·969	·120	·136	·352
26	·217	·246	·044	·901	·735	·720	·739	·905	·976		·160	·331
27		·261	28·989		·743	·669		·886	·959		·244	
28	·277	·264	·998	·922	·750	·655	·683	·886		·048	·365	
29	·335	·257	29·002	·925	·665		·742	·847	·818	·100	·269	·255
30	·368			·876	·600	·636	·723	·824	·818	·122	·228	·232
31	·418		·094		·656		·684	·855		·118		·236

TABLE XCIV.—*Showing, for each Month, the Mean Pressure of Supposed Dry Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the Year.	FOR SEASONS.
	in.	in.	in.
January	29·343	0·333	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ..... 29·195
February	·297	·287	
March	·048	·038	
April	28·938	− ·072	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer..... 28·826
May	·818	− ·192	
June	·718	− ·292	Mean of the year ..... 29·010
July	·693	− ·317	
August	·832	− ·178	
September	·958	− ·052	Greatest monthly mean, in January ..... 29·343
October	·992	− ·018	Least monthly mean, in July ..... 28·693
November	29·190	·180	
December	·298	·288	Difference ..... 0·650

TABLE XCV.—*Mean Pressure of Supposed Dry Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	29·336	29·304	29·057	28·951	28·808	28·737	28·706	28·850	28·973	29·003	29·184	29·301	Midnight.
1 A. M.	·335	·285	·043	·933	·830	·725	·703	·809	·960	·984	·172	·292	1 A. M.
2 „	·331	·266	·034	·917	·820	·723	·683	·833	·941	28·979	·174	·283	2 „
3 „	·326	·264	·037	·925	·812	·721	·686	·825	·942	·969	·177	·299	3 „
4 „	·340	·265	·049	·938	·818	·720	·695	·830	·940	·972	·200	·310	4 „
5 „	·356	·307	·067	·956	·839	·730	·691	·830	·947	29·003	·209	·316	5 „
6 „	·382	·332	·087	·980	·849	·741	·702	·844	·961	·022	·244	·333	6 „
7 „	·405	·348	·098	·989	·858	·729	·698	·847	·963	·021	·248	·348	7 „
8 „	·424	·356	·144	·997	·858	·745	·709	·854	·971	·037	·282	·366	8 „
9 „	·437	·384	·121	·999	·868	·739	·700	·826	·974	·038	·301	·392	9 „
10 „	·439	·391	·120	·988	·867	·731	·695	·838	·975	·031	·301	·378	10 „
11 „	·437	·375	·096	·963	·849	·714	·708	·822	·972	·014	·277	·364	11 „
Noon.	·400	·322	·042	·941	·826	·685	·689	·812	·962	28·986	·251	·338	Noon.
1 P. M.	·348	·258	·006	·909	·795	·690	·675	·803	·939	·949	·218	·274	1 P. M.
2 „	·282	·218	28·986	·884	·767	·672	·663	·797	·916	·917	·170	·228	2 „
3 „	·245	·210	·976	·871	·746	·681	·661	·789	·914	·910	·125	·198	3 „
4 „	·226	·213	·977	·873	·731	·664	·664	·785	·928	·927	·113	·200	4 „
5 „	·243	·222	·991	·889	·737	·679	·658	·809	·935	·958	·101	·202	5 „
6 „	·250	·237	·994	·903	·763	·692	·686	·820	·955	·982	·109	·224	6 „
7 „	·281	·278	29·018	·921	·799	·730	·700	·835	·975	·999	·122	·243	7 „
8 „	·316	·307	·043	·943	·820	·745	·714	·853	·990	29·015	·142	·280	8 „
9 „	·388	·321	·061	·940	·834	·741	·713	·857	·992	·029	·164	·314	9 „
10 „	·388	·319	·075	·947	·849	·753	·729	·868	29·004	·028	·193	·329	10 „
11 „	·361	·309	·062	·939	·849	·749	·712	·868	28·989	·028	·194	·325	11 „

TABLE XCVI.—*Showing, for the Year* 1856, *the Mean Pressure of Dry Air for each Hour of Bombay Civil Time, and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Pressure of Supposed Dry Air.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·017	0·007
1 A. M.	·006	− ·004
2 „	28·990	− ·026
3 „	·990	− ·026
4 „	29·006	− ·004
5 „	·021	·005
6 „	·040	·024
7 „	·046	·030
8 „	·062	·046
9 „	·065	·049
10 „	·063	·047
11 „	·049	·023
Noon.	·021	·005
1 P. M.	28·989	− ·021
2 „	·958	− ·052
3 „	·944	− ·066
4 „	·937	− ·073
5 „	·952	− ·058
6 „	·968	− ·042
7 „	29·000	− ·010
8 „	·014	·004
9 „	·030	·020
10 „	·040	·030
11 „	·024	·014

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5, A. M. } or Night.. 29·009

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .. 29·011

Mean..... 29·010

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at about 3 A. M.
A maximum at about 9 A. M.
A minimum at about 4 P. M.
A maximum at about 10 P. M.

TABLE XCVII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time, about which the Mean Pressure of Supposed Dry Air, in each Month, was at its Diurnal Maxima and Minima.*

Months, 1856.	Mean Pressure of Supposed Dry Air.				Mean Diurnal Range.	The time which the Mean Pressure of Supposed Dry Air was at its			
	Morning or First Minimum.	Morning or First Maximum.	Evening or Second Minimum.	Evening or Second Maximum.		Morning or First Minimum.	Morning or First Maximum.	Evening or Second Minimum.	Evening or Second Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January . . .	29·326	29·439	29·226	29·388	0·213	3 A. M.	10 A. M.	4 P. M.	10 P. M.
February . .	·264	·391	·210	·321	·181	4 ,,	10 ,,	3 ,,	9 ,,
March	·034	·144	28·976	·075	·168	2 ,,	8 ,,	3 ,,	10 ,,
April	28·917	28·999	·871	28·947	·128	2 ,,	9 ,,	3 ,,	10 ,,
May	·812	·868	·731	·849	·137	3 ,,	9 ,,	4 ,,	10 ,,
June	·720	·745	·664	·753	·089	4 ,,	8 ,,	4 ,,	10 ,,
July	·683	·709	·658	·729	·071	2 ,,	8 ,,	5 ,,	10 ,,
August	·809	·854	·785	·868	·083	1 ,,	8 ,,	4 ,,	10 ,,
September . .	·940	·975	·914	29·004	·090	4 ,,	10 ,,	3 ,,	10 ,,
October . . .	·969	99·038	·910	·028	·128	3 ,,	9 ,,	3 ,,	10 ,,
November . .	29·172	·301	29·101	·194	·200	1 ,,	10 ,,	5 ,,	11 ,,
December . .	·283	·392	·198	·329	·194	2 ,,	9 ,,	3 ,,	10 ,,

TABLE XCVIII.—*Excess of Mean Hourly Pressure of Dry Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	-0·007	0·007	0·009	0·013	-0·010	0·019	0·013	0·018	0·013	0·112	-0·006	0·003	Midnight.
1 A. M.	- ·008	- ·012	- ·005	- ·005	·012	·007	·010	- ·023	·002	- ·008	- ·018	- ·006	1 A. M.
2 ,,	- ·012	- ·031	- ·014	- ·021	·002	·005	- ·010	·001	- ·017	- ·013	- ·016	- ·015	2 ,,
3 ,,	- ·017	- ·033	·011	- ·013	- ·006	·003	- ·007	- ·007	- ·016	- ·023	- ·013	·001	3 ,,
4 ,,	·003	- ·034	·001	·000	·000	·002	·002	- ·002	- ·018	- ·026	·010	·012	4 ,,
5 ,,	·013	·010	·019	·018	·021	·012	- ·002	- ·002	- ·011	·011	·019	·018	5 ,,
6 ,,	·039	·035	·039	·042	·031	·023	·009	·012	·003	·030	·054	·035	6 ,,
7 ,,	·062	·051	·050	·051	·040	·011	·005	·015	·005	·029	·058	·050	7 ,,
8 ,,	·081	·059	·096	·059	·040	·027	·016	·022	·013	·045	·092	·068	8 ,,
9 ,,	·094	·087	·073	·061	·050	·021	·007	- ·006	·016	·046	·111	·094	9 ,,
10 ,,	·096	·094	·072	·050	·049	·013	·002	·006	·017	·039	·111	·080	10 ,,
11 ,,	·094	·078	·048	·025	·031	- ·004	·015	- ·010	·014	·022	·087	·066	11 ,,
Noon.	·057	·025	- ·006	·003	·008	- ·033	- ·004	- ·020	·004	- ·006	·061	·040	Noon.
1 P. M.	·005	- ·039	- ·042	- ·029	- ·013	- ·028	- ·018	- ·029	- ·019	- ·043	·028	- ·024	1 P. M.
2 ,,	- ·061	- ·079	- ·062	- ·054	- ·051	- ·046	- ·030	- ·035	- ·042	- ·075	- ·020	- ·076	2 ,,
3 ,,	- ·098	- ·087	- ·072	- ·067	- ·072	- ·037	- ·032	- ·043	- ·044	- ·082	- ·065	- ·100	3 ,,
4 ,,	- ·117	- ·084	- ·071	- ·065	- ·087	- ·054	- ·029	- ·047	- ·030	- ·065	- ·077	- ·098	4 ,,
5 ,,	- ·100	- ·075	- ·057	- ·049	- ·081	- ·039	- ·035	- ·023	- ·020	- ·032	- ·089	- ·096	5 ,,
6 ,,	- ·093	- ·060	- ·054	- ·035	- ·055	- ·026	- ·007	- ·012	- ·003	- ·008	- ·081	- ·074	6 ,,
7 ,,	- ·062	- ·019	- ·030	- ·017	- ·019	·012	·007	·003	·017	·007	- ·063	- ·055	7 ,,
8 ,,	- ·027	·010	- ·005	·005	·002	·027	·021	·021	·032	·023	- ·048	- ·018	8 ,,
9 ,,	·045	·024	·013	·002	·016	·023	·020	·025	·034	·037	- ·026	·016	9 ,,
10 ,,	·045	·022	·027	·009	·031	·035	·036	·036	·046	·036	·003	·031	10 ,,
11 ,,	·018	·012	·014	·001	·031	·031	·019	·036	·031	·036	·004	·027	11 ,,

TABLE XCIX.—*Mean Humidity of Atmospheric Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	0·62	0·57	0.72	0·67	0·73	0·79	0·94	0·88		0·88	0·73	
2	·61	·64		·74	·73		·96	·89	0·88	·89		0·73
3	·68		·74	·78	·75	·93	·95		·83	·85	·86	·69
4	·74	·65	·77	·75		·98	·90	·88	·82	·84	·84	·74
5	·77	·60	·83	·77	·72	·90	·94	·90	·78		·84	·70
6		·69	·71		·73	·91		·90	·79	·83	·86	·67
7	·72	·71	·72	·73	·70	·89	·84	·86		·82	·77	
8	·73	·71	·83	·79	·70		·83	·87	·80	·85	·80	·55
9	·78	·72		·78	·69	·94	·86	·85	·80	·81		·54
10	·73		·82	·78	·71	·93	·84		·75	·85	·62	·63
11	·77	·76	·80	·70		·89	·84	·84	·72	·84	·65	·70
12	·74	·75	·80	·67	·74	·84	·85	·85	·80		·61	·79
13		·77	·74		·74	·82		·84	·80	·83	·64	·84
14	·71	·74	·78	·77	·71	·81	·92	·83		·81	·65	
15	·71	·68	·79	·74	·70		·90		·90	·79	·69	·78
16	·72	·68		·69	·70	·85	·86	·84	·90	·81		·70
17	·71		·74	·66	·67	·84	·86		·84	·80	·70	·78
18	·72	·68	·70	·64		·82	·86	·86	·83	·81	·72	·83
19	·67	·58	·74	·66	·76	·81	·85	·84	·93		·74	·77
20		·62	·75		·78	·80		·88	·94	·81	·72	·76
21	·78	·72		·74	·77	·77	·84	·87		·80	·70	
22	·73	·62		·76	·76		·83	·88	·93	·80	·68	·81
23	·78	·66		·76	·75	·75	·88	·84	·86	·80		·73
24	·83	·81	·74	·76		·77	·96		·84	·78	·82	·71
25	·83		·72	·74		·80	·91	·79	·83	·80	·82	·72
26	·84	·74	·73	·74	·72	·83	·93	·78	·81		·76	·73
27		·64	·72		·83	·90		·80	·82		·70	
28	·75	·68	·72	·74	·78	·84	·92	·87		·83	·60	
29	·70	·71	·73	·73	·81		·90	·87	·91	·78	·73	·81
30	·69			·73	·78	·89	·90	·88	·90	·73	·80	·86
31	·59		·68		·80		·87	·89		·73		·83

TABLE C.—*Showing, for each Month, the Mean Humidity of Atmospheric Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Humidity of Air.	Difference from the Mean of the Year.	FOR SEASONS.
			Mean of {Jan. Feb. March, Oct. Nov. Dec.} for Winter .. 0·74
January	0·72	−0·06	
February	0·68	−0·10	Mean of {Apr. May, June, July, Aug. Sept.} for Summer.. 0·82
March	0.75	−0·03	
April	0·73	−0·05	Mean of the year .... 0·78
May	0·74	−0·04	
June	0·84	0·06	
July	0·89	0·11	
August	0·86	0·08	
September	0·84	0·06	Greatest monthly mean, in July ..... 0·89
October	0·82	−0·06	Least monthly mean, in February ..... 0·68
November	0·73	−0·05	
December	0·73	−0·05	Difference ..... 0·21

TABLE CI.—*Mean Humidity of Atmospheric Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	0·81	0·75	0·82	0·80	0·83	0·89	0·91	0·89	0·88	0·89	0·82	0·81	Midnight.
1 A. M.	·82	·77	·83	·82	·81	·89	·91	·89	·88	·90	·83	·81	1 A. M.
2 „	·82	·79	·83	·84	·81	·89	·92	·89	·89	·90	·83	·82	2 „
3 „	·82	·80	·84	·83	·82	·88	·91	·89	·89	·91	·83	·80	3 „
4 „	·83	·81	·85	·83	·83	·89	·90	·90	·90	·92	·81	·80	4 „
5 „	·80	·79	·86	·84	·82	·89	·92	·91	·91	·90	·81	·82	5 „
6 „	·80	·79	·85	·84	·82	·89	·92	·91	·91	·91	·81	·83	6 „
7 „	·80	·79	·84	·78	·77	·92	·92	·91	·91	·90	·80	·83	7 „
8 „	·76	·73	·74	·72	·73	·85	·90	·88	·88	·84	·74	·77	8 „
9 „	·71	·66	·72	·69	·69	·84	·89	·91	·84	·80	·68	·70	9 „
10 „	·66	·61	·69	·67	·67	·82	·88	·85	·82	·78	·63	·67	10 „
11 „	·60	·58	·66	·64	·66	·81	·86	·82	·79	·74	·59	·62	11 „
Noon.	·56	·57	·66	·63	·64	·80	·85	·81	·77	·72	·56	·58	Noon.
1 P. M.	·56	·59	·65	·62	·63	·78	·84	·79	·76	·72	·54	·59	1 P. M.
2 „	·59	·59	·64	·61	·62	·78	·84	·77	·75	·71	·56	·61	2 „
3 „	·60	·59	·64	·62	·64	·73	·83	·77	·74	·71	·60	·63	3 „
4 „	·63	·59	·64	·62	·66	·78	·85	·80	·75	·71	·64	·66	4 „
5 „	·67	·61	·66	·66	·71	·80	·87	·81	·80	·75	·71	·72	5 „
6 „	·74	·68	·74	·72	·75	·84	·87	·85	·83	·78	·76	·76	6 „
7 „	·76	·68	·76	·75	·78	·85	·88	·87	·84	·80	·79	·79	7 „
8 „	·77	·68	·78	·76	·79	·86	·89	·87	·85	·82	·80	·77	8 „
9 „	·77	·69	·79	·78	·81	·88	·92	·88	·87	·82	·80	·78	9 „
10 „	·78	·71	·79	·79	·80	·89	·91	·88	·87	·85	·81	·78	10 „
11 „	·79	·73	·81	·81	·80	·89	·92	·89	·88	·87	·82	·80	11 „

TABLE CII.—*Showing, for the Year* 1856, *the Mean Humidity of Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Humidity of Atmospheric Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0·84	0·06	
1 A. M.	·85	·07	
2 „	·85	·07	
3 „	·85	·07	
4 „	·86	·08	
5 „	·85	·07	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A.M.} or Night..... 0·83
6 „	·85	·07	
7 „	·85	·07	
8 „	·79	·01	
9 „	·76	– ·02	
10 „	·73	– ·05	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 0·73
11 „	·69	– ·09	
Noon.	·68	– ·10	Mean..... 0·78
1 P. M.	·67	– ·11	
2 „	·67	– ·11	
3 „	·67	– ·11	
4 „	·69	– ·09	
5 „	·73	– ·05	TIMES OF MEAN MAXIMUM AND MINIMUM.
6 „	·77	– ·01	
7 „	·79	·01	A maximum at about 4 A. M.
8 „	·80	·02	A minimum at about 2 P. M.
9 „	·82	·04	
10 „	·82	·04	
11 „	·83	·05	

TABLE CIII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Humidity of Atmospheric Air, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Humidity of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	
January	0·83	0·56	0·27	4 A. M.	Noon & 1 P. M.
February	·81	·57	·24	4 „	Noon.
March	·86	·64	·22	5 „	3 P. M.
April	·84	·61	·23	2,5 & 6 A. M.	2 „
May	·83	·62	·21	4 „	2 „
June	·92	·73	·19	7 „	3 „
July	·92	·83	·09	2 & 7 „	3 „
August	·91	·77	·14	6 & 9 „	2 & 3 „
September	·91	·74	·17	6 „	3 „
October	·92	·71	·21	4 „	3 „
November	·83	·54	·29	2 „	1 „
December	·83	·58	·25	6 & 7 „	Noon

TABLE CIV.—*Excess of the Mean Hourly Humidity of Atmospheric Air above the Mean of the Month.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	0·09	0·07	0·07	0·07	0·09	0·05	0·02	0·03	0·04	0·07	0·09	0·08	Midnight.
1 A. M.	·10	·09	·08	·09	·07	·05	·02	·03	·04	·08	·10	·08	1 A. M.
2 „	·10	·11	·08	·11	·07	·05	·03	·03	·05	·08	·10	·08	2 „
3 „	·10	·12	·09	·10	·08	·04	·02	·03	·05	·09	·10	·08	3 „
4 „	·11	·13	·10	·10	·09	·05	·02	·04	·06	·10	·08	·07	4 „
5 „	·08	·09	·11	·11	·08	·05	·03	·05	·07	·08	·08	·09	5 „
6 „	·08	·09	·10	·11	·08	·05	·03	·05	·07	·09	·08	·10	6 „
7 „	·08	·09	·09	·05	·03	·08	·03	·05	·07	·08	·07	·10	7 „
8 „	·04	·05	- ·01	- ·01	- ·01	·00	·01	·02	·04	·02	·01	·04	8 „
9 „	- ·01	- ·02	- ·03	- ·04	- ·05	·00	·00	·05	·00	- ·02	- ·05	- ·03	9 „
10 „	- ·01	- ·07	- ·06	- ·06	- ·07	- ·02	- ·01	- ·01	- ·02	- ·04	- ·10	- ·06	10 „
11 „	- ·12	- ·10	- ·09	- ·09	- ·08	- ·03	- ·03	- ·04	- ·05	- ·08	- ·14	- ·11	11 „
Noon.	- ·16	- ·11	- ·09	- ·10	- ·10	- ·04	- ·04	- ·05	- ·07	- ·10	- ·17	- ·15	Noon.
1 P. M.	- ·16	- ·09	- ·10	- ·11	- ·11	- ·06	- ·05	- ·07	- ·08	- ·10	- ·19	- ·14	1 P. M.
2 „	- ·13	- ·09	- ·11	- ·12	- ·12	- ·06	- ·05	- ·09	- ·09	- ·11	- ·17	- ·12	2 „
3 „	- ·12	- ·09	- ·11	- ·11	- ·10	- ·11	- ·06	- ·09	- ·10	- ·11	- ·13	- ·10	3 „
4 „	- ·09	- ·09	- ·11	- ·11	- 08	- ·06	- ·04	- ·06	- ·09	- ·11	- ·09	- ·07	4 „
5 „	- ·05	- ·07	- ·09	- ·07	- ·03	- ·04	- ·02	- ·05	- ·04	- ·07	- ·02	- ·01	5 „
6 „	·02	·00	- ·01	- ·01	·01	- ·00	- ·02	- ·01	- ·01	- ·03	·03	·03	6 „
7 „	·04	·00	·01	·02	·04	·01	- ·01	·01	- ·00	- ·02	·06	·06	7 „
8 „	·05	·00	·03	·03	·05	·02	- ·00	·01	·01	- ·00	·07	·04	8 „
9 „	·05	·01	·04	·05	·07	·04	·03	·02	·03	- ·00	·07	·05	9 „
10 „	·06	·03	·04	·06	·06	·05	·02	·02	·03	·03	·08	·05	10 „
11 „	·07	·05	·06	·08	·06	·05	·03	·03	·04	·05	·09	·07	11 „

TABLE CV.—*Mean Pressure of Moisture, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·560	0·461	0·707	0·760	0·890	0·890	0·937	0·892		0·906	0·724	
2	·549	·535		·866	·895		·877	·884	0·903	·923		0·643
3	·603		·752	·889	·912	·904	·918		·872	·905	·894	·599
4	·661	·530	·789	·847		·911	·933	·898	·853	·907	·901	·633
5	·666	·506	·833	·852	·876	·904	·956	·889	·847		·875	·624
6		·608	·736		·884	·880		·896	·833	·964	·900	·589
7	·640	·660	·769	·816	·864	·908	·944	·889		·934	·824	
8	·678	·656	·851	·881	·849		·948	·879	·817	·944	·836	·458
9	·701	·643		·870	·848	·901	·930	·871	·819	·899		·425
10	·657		·831	·875	·867	·950	·923		·787	·963	·639	·569
11	·716	·675	·831	·800		·947	·922	·867	·759	·916	·621	·665
12	·681	·698	·833	·804	·895	·977	·942	·863	·785		·611	·785
13		·694	·798		·904	·964		·892	·798	·843	·602	·806
14	·632	·658	·879	·894	·880	·957	·890	·887		·838	·606	
15	·645	·609	·896	·868	·867		·930		·894	·801	·659	·696
16	·638	·609		·758	·858	·970	·922	·874	·900	·804		·567
17	·621		·811	·762	·823	·951	·916		·838	·831	·639	·655
18	·607	·637	·780	·752		·947	·911	·873	·844	·859	·661	·716
19	·581	·576	·766	·799	·919	·956	·904	·865	·819		·632	·665
20		·629	·749		·961	·947		·874	·801	·798	·669	·642
21	·716	·726		·867	·936	·939	·925	·894		·761	·622	
22	·694	·638		·834	·931		·918	·890	·849	·787	·589	·700
23	·707	·646		·884	·953	·915	·936	·867	·828	·769		·671
24	·751	·743	·773	·906		·916	·883		·822	·753	·724	·618
25	·745		·728	·900		·921	·899	·839	·833	·771	·782	·584
26	·732	·663	·736	·890	·937	·916	·916	·823	·831		·774	·599
27		·601	·760		·951	·933		·856	·854		·685	
28	·628	·626	·784	·868	·944	·947	·905	·870		·852	·544	
29	·577	·654	·797	·877	·965		·911	·870	·937	·787	·644	·658
30	·576			·903	·928	·965	·911	·858	·901	·711	·685	·691
31	·484		·719		·874		·905	·843		·711		·664

TABLE CVI.—*Showing, for each Month, the Mean Pressure of Moisture, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Pressure of Moisture.	Difference from the Mean of the Year.
	in.	in.
January	0·642	−0·153
February	·625	− ·170
March	·787	− ·008
April	·849	·054
May.....	·900	·105
June.....	·933	·138
July.....	·917	·122
August.....	·873	·078
September	·841	·046
October	·842	·047
November	·707	− ·088
December	·634	− ·161

FOR SEASONS.

	in.
Mean of {Jan. Feb. March, Oct. Nov. Dec.} for Winter...	0·706
Mean of {Apr. May, June, July, Aug. Sept.} for Summer..	0·885
Mean of the year	0·795
Greatest monthly mean, in June	0·933
Least monthly mean, in February.....	0·625
Difference.....	0·308

TABLE CVII.—*Mean Pressure of Moisture, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	0·653	0·624	0·782	0·838	0·920	0·921	0·910	0·865	0·828	0·832	0·713	0·629	Midnight.
1 A. M.	·648	·632	·784	·843	·886	·914	·902	·861	·823	·836	·713	·630	1 A. M.
2 ,,	·638	·637	·783	·848	·884	·905	·894	·849	·828	·832	·701	·628	2 ,,
3 ,,	·635	·630	·772	·833	·886	·901	·894	·850	·820	·837	·693	·603	3 ,,
4 ,,	·622	·629	·763	·823	·886	·903	·885	·846	·824	·836	·676	·595	4 ,,
5 ,,	·609	·597	·758	·818	·875	·897	·897	·855	·833	·819	·675	·600	5 ,,
6 ,,	·603	·588	·757	·818	·883	·903	·903	·855	·836	·818	·662	·601	6 ,,
7 ,,	·609	·599	·771	·835	·892	·932	·920	·871	·855	·848	·683	·610	7 ,,
8 ,,	·619	·615	·748	·850	·908	·931	·923	·882	·866	·850	·671	·618	8 ,,
9 ,,	·622	·607	·784	·857	·902	·947	·937	·916	·872	·860	·666	·604	9 ,,
10 ,,	·615	·599	·782	·864	·899	·957	·948	·910	·871	·861	·657	·613	10 ,,
11 ,,	·594	·598	·787	·877	·908	·967	·931	·920	·867	·856	·659	·607	11 ,,
Noon.	·596	·620	·814	·879	·914	·986	·940	·916	·857	·856	·656	·600	Noon.
1 P. M.	·617	·654	·819	·873	·918	·969	·941	·909	·853	·864	·656	·635	1 P. M.
2 ,,	·622	·669	·816	·870	·924	·970	·941	·898	·857	·874	·684	·659	2 ,,
3 ,,	·689	·664	·808	·866	·925	·947	·929	·890	·846	·870	·719	·686	3 ,,
4 ,,	·710	·657	·800	·852	·928	·950	·918	·886	·835	·857	·734	·686	4 ,,
5 ,,	·699	·654	·792	·843	·922	·935	·925	·865	·834	·838	·757	·694	5 ,,
6 ,,	·704	·650	·801	·844	·910	·936	·907	·866	·829	·826	·762	·689	6 ,,
7 ,,	·694	·630	·794	·844	·896	·913	·904	·863	·824	·831	·769	·691	7 ,,
8 ,,	·684	·622	·790	·840	·898	·914	·904	·864	·825	·834	·765	·670	8 ,,
9 ,,	·662	·618	·785	·854	·899	·925	·915	·872	·834	·827	·747	·644	9 ,,
10 ,,	·653	·623	·776	·855	·892	·923	·907	·868	·824	·827	·722	·624	10 ,,
11 ,,	·636	·627	·782	·859	·886	·924	·918	·863	·828	·828	·712	·621	11 ,,

TABLE CVIII.—*Showing, for the Year* 1856, *the Mean Pressure of Moisture for each Hour of Bombay Civil Time, and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Pressure of Moisture.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·793	−0·002
1 A. M.	·789	− ·006
2 ,,	·784	− ·011
3 ,,	·779	− ·016
4 ,,	·774	− ·021
5 ,,	·769	− ·026
6 ,,	·769	− ·026
7 ,,	·785	− ·010
8 ,,	·790	− ·005
9 ,,	·798	·003
10 ,,	·798	·003
11 ,,	·798	·003
Noon.	·803	·008
1 P. M.	·809	·014
2 ,,	·815	·020
3 ,,	·820	·025
4 ,,	·818	·023
5 ,,	·813	·018
6 ,,	·810	·015
7 ,,	·804	·009
8 ,,	·801	·006
9 ,,	·799	·004
10 ,,	·791	− ·004
11 ,,	·790	− ·005

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night.....	0·790
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	0·801
Mean.....	0·795

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at about 3 P. M.
A minimum at about 6 A. M.

TABLE CIX.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Pressure of Moisture, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·704	0·603	0·101	6 P. M.	6 A. M.
February	·669	·588	·081	2 „	6 „
March	·819	·757	·062	1 „	6 „
April	·879	·818	·061	Noon.	6 „
May	·928	·875	·053	4 P. M.	5 „
June	·986	·897	·089	Noon.	5 „
July	·948	·885	·063	10 A. M.	4 „
August	·920	·846	·074	11 „	4 „
September	·872	·820	·052	9 „	3 „
October	·874	·818	·056	2 P. M.	6 „
November	·769	·656	·113	6 „	Noon.
December	·694	·595	·099	5 „	4 A. M.

TABLE CX.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	0·011	−0·001	−0·005	−0·011	0·020	−0·012	−0·007	−0·008	−0·013	−0·010	0·006	−0·005	Midnight.
1 A. M.	·006	·007	− ·003	− ·006	− ·014	− ·019	− ·015	− ·012	− ·018	− ·006	·006	− ·004	1 A. M.
2 „	− ·004	·012	− ·004	− ·001	− ·016	− ·028	− ·023	− ·024	− ·013	− ·010	− ·006	− ·006	2 „
3 „	− ·007	·005	− ·015	− ·016	− ·016	− ·032	− ·023	− ·023	− ·021	− ·005	− ·014	− ·031	3 „
4 „	− ·020	·004	− ·024	− ·026	− ·016	− ·030	− ·028	− ·027	− ·017	− ·006	− ·031	− ·039	4 „
5 „	− ·033	− ·028	− ·029	− ·031	− ·025	− ·036	− ·018	− ·018	− ·008	− ·023	− ·032	− ·034	5 „
6 „	− ·039	− ·037	− ·030	− ·031	− ·017	− ·030	− ·014	− ·018	− ·005	− ·024	− ·045	− ·033	6 „
7 „	− ·033	− ·026	− ·016	− ·014	− ·008	− ·031	·003	− ·002	·014	·006	− ·024	− ·024	7 „
8 „	− ·023	− ·010	− ·039	·001	·008	− ·002	·006	·009	·025	·008	− ·036	− ·016	8 „
9 „	− ·020	− ·018	− ·003	·008	·002	·014	·020	·043	·031	·018	− ·041	− ·030	9 „
10 „	− ·027	− ·026	− ·005	·015	·001	·024	·031	·037	·030	·019	− ·057	− ·021	10 „
11 „	− ·048	− ·027	·000	·028	·008	·034	·014	·047	·026	·014	− ·048	− ·027	11 „
Noon.	− ·046	− ·005	·027	·030	·014	·053	·023	·043	·016	·014	− ·051	− ·034	Noon.
1 P. M.	− ·025	·029	·032	·024	·018	·036	·024	·036	·012	·022	− ·051	·001	1 P. M.
2 „	− ·020	·044	·029	·021	·024	·037	·024	·025	·016	·032	− ·023	·025	2 „
3 „	·047	·039	·021	·017	·025	·014	·012	·017	·005	·028	·012	·052	3 „
4 „	·068	·032	·013	·003	·028	·017	·001	·013	− ·006	·015	·027	·052	4 „
5 „	·057	·029	·005	− ·006	·022	·002	·008	− ·008	− ·007	− ·004	·050	·060	5 „
6 „	·062	·025	·014	− ·005	·010	·003	− ·010	− ·007	− ·012	− ·016	·057	·055	6 „
7 „	·052	·005	·007	− ·005	− ·004	− ·020	− ·013	− ·010	− ·017	− ·011	·062	·057	7 „
8 „	·042	− ·003	·003	− ·009	− ·002	− ·019	− ·013	− ·009	− ·016	− ·008	·058	·036	8 „
9 „	·020	− ·007	− ·002	·005	− ·001	− ·008	− ·002	− ·001	− ·007	− ·015	·040	·010	9 „
10 „	·011	− ·002	− ·011	·006	− ·008	− ·010	− ·010	− ·005	− ·017	− ·015	·015	− ·010	10 „
11 „	− ·006	·002	− ·005	·010	− ·014	− ·009	·001	− ·010	− ·013	− ·014	·005	− ·013	11 „

TABLE CXI.—*Mean Weight in Grains of a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.
1	507	509	504	496	493	490	498	496		499	501	
2	507	510		494	491		500	497	498	500		508
3	508		503	497	492	498	497		498	498	501	508
4	509	511	503	497		497	495	497	498	498	499	510
5	510	510	502	498	492	499	495	498	497		501	509
6		508	500		492	501		499	498	493	501	509
7	509	507	499	497	492	497	493	497		495	499	
8	508	507	500	496	492		494	499	500	496	500	511
9	508	508		496	492	499	494	498	500	496		512
10	508		499	496	492	494	494		499	495	502	508
11	508	509	500	495		495	493	497	498	496	505	506
12	508	509	500	491	492	491	492	497	503		502	502
13		508	496		492	490		496	500	500	504	505
14	510	509	496	493	492	490	498	496		500	506	
15	510	508	497	493	491		495		498	502	506	507
16	509	509		496	491	493	493	497	499	502		511
17	509		498	497	491	493	494		499	500	507	510
18	512	507	498	494		490	494	498	500	499	504	508
19	509	505	500	492	492	492	494	497	506		505	509
20		502	500		490	492		498	507	503	505	510
21	509	503		493	491	491	493	496		503	506	
22	507	501		493	490		493	497	506	503	507	509
23	508	504		494	489	491	495	496	506	504		509
24	507	507	499	493		491	500		502	504	508	509
25	508		500	492		491	499	497	500	504	504	511
26	509	507	499	493	488	493	497	496	499		502	511
27		505	497		494	495		497	499		504	
28	509	506	497	494	491	492	498	499		501	507	
29	510	508	497	493	490		497	498	498	502	508	511
30	510			491	487	493	497	500	499	503	509	511
31	510		498		492		495	500		502		511

TABLE CXII.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Weight in Grains of a Cubic Foot of Common Air.	Difference from the Mean of the Year.
	gr.	gr.
January	509	10
February	507	8
March	498	− 1
April	494	− 5
May	491	− 8
June	494	− 5
July	495	− 4
August	498	− 1
September	500	1
October	500	1
November	504	5
December	509	10

FOR SEASONS.

Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter....	gr.	503
Mean of {April, May, June, / July, Aug. Sept.} or Summer ..		495
Mean of the year		499
Greatest monthly mean, in January ..		509
Least monthly mean, in May.....		491
Difference.....		18

TABLE CXIII.—*Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	513	510	505	499	495	496	496	500	504	505	508	513	Midnight.
1 A. M.	513	510	504	498	495	496	496	500	504	504	509	512	1 A. M.
2 ,,	513	511	504	499	495	495	497	500	503	505	508	512	2 ,,
3 ,,	513	511	505	499	496	495	498	501	503	505	508	514	3 ,,
4 ,,	515	512	505	499	496	496	498	501	504	505	509	514	4 ,,
5 ,,	515	514	506	501	496	496	498	502	505	505	510	515	5 ,,
6 ,,	516	514	507	502	497	497	498	502	505	506	510	517	6 ,,
7 ,,	516	513	506	498	495	495	496	500	504	505	510	516	7 ,,
8 ,,	611	510	502	495	491	494	496	499	501	502	508	513	8 ,,
9 ,,	509	509	499	493	489	494	495	499	500	500	505	510	9 ,,
10 ,,	507	506	498	492	489	492	494	497	499	499	502	508	10 ,,
11 ,,	504	502	496	491	487	491	494	495	498	497	500	505	11 ,,
Noon.	502	501	494	489	486	489	493	494	497	495	496	502	Noon.
1 P. M.	500	499	492	488	485	489	492	494	496	493	494	500	1 P. M.
2 ,,	499	498	491	487	485	489	492	492	495	493	494	499	2 ,,
3 ,,	499	497	492	487	484	488	492	493	495	492	494	500	3 ,,
4 ,,	500	498	491	487	486	489	493	494	496	493	495	501	4 ,,
5 ,,	502	499	493	490	488	490	494	495	497	496	499	504	5 ,,
6 ,,	507	504	497	493	490	493	495	497	500	498	501	507	6 ,,
7 ,,	508	507	499	495	492	495	495	498	502	500	504	509	7 ,,
8 ,,	510	507	501	497	494	495	496	498	502	501	506	510	8 ,,
9 ,,	510	509	501	497	495	495	496	499	504	501	506	511	9 ,,
10 ,,	511	509	503	498	496	496	497	501	504	503	507	512	10 ,,
11 ,,	513	505	503	498	496	496	497	501	504	505	508	513	11 ,,

TABLE CXIV.—*Showing, for the Year 1856, the Mean Weight in Grains of a Cubic Foot of Common Air for each Hour of Bombay Civil Time, and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of a Cubic foot of Common Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	gr.	gr.	
Midnight.	503	2	
1 A. M.	503	2	
2 ,,	504	3	
3 ,,	504	3	gr.
4 ,,	504	3	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5, A. M.} or Night.... 503
5 ,,	505	4	
6 ,,	506	5	
7 ,,	504	3	
8 ,,	502	1	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day 499
9 ,,	500	−1	
10 ,,	498	−3	Mean..... 501
11 ,,	497	−4	
Noon.	494	−7	
1 P. M.	493	−8	
2 ,,	493	−8	
3 ,,	493	−8	
4 ,,	493	−8	TIMES OF MEAN MAXIMUM AND MINIMUM.
5 ,,	495	−6	
6 ,,	498	−3	A maximum at about 6 A. M.
7 ,,	500	−1	A minimum at about 2 or 3 P. M.
8 ,,	501		
9 ,,	502	1	
10 ,,	503	2	
11 ,,	503	2	

TABLE CXV.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Weight of a Cubic Foot of Common Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	gr.	gr.		H.	H.
January	516	499	17	6 or 7 A.M.	2 or 3 P.M.
February	514	497	17	5 or 6 „	3 P.M.
March	507	491	16	6 A.M.	2 or 4 P.M.
April	502	487	15	6 „	3 P.M.
May	497	484	13	6 „	3 „
June	497	488	9	6 „	3 „
July	498	492	6	6 „	2 „
August	502	492	10	5 or 6 A.M.	2 „
September	505	495	10	5 or 6 „	2 or 3 P.M.
October	506	492	14	6 A.M.	3 P.M.
November	510	494	16	6 „	2 „
December	517	499	18	6 „	2 „

TABLE CXVI.—*Excess of the Mean Hourly Weight of a Cubic Foot of Common Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	4	3	7	5	4	2	1	2	4	5	4	4	Midnight.
1 A. M.	4	3	6	4	4	2	1	2	4	4	5	3	1 A. M.
2 „	4	4	6	5	4	1	2	2	3	5	4	3	2 „
3 „	4	4	7	5	5	1	3	3	3	5	4	5	3 „
4 „	6	5	7	5	5	2	3	3	4	5	5	5	4 „
5 „	6	7	8	7	5	2	3	4	5	5	6	6	5 „
6 „	7	7	9	8	6	3	3	4	5	6	6	8	6 „
7 „	7	6	8	4	4	1	1	2	4	5	6	7	7 „
8 „	2	3	4	1	0	0	1	1	1	2	4	4	8 „
9 „	0	2	1	- 1	- 2	0	0	1	0	0	1	1	9 „
10 „	- 2	- 1	0	- 2	- 2	- 2	- 1	- 1	- 1	- 1	- 2	- 1	10 „
11 „	- 5	- 5	- 2	- 3	- 4	- 3	- 1	- 3	- 2	- 3	- 4	- 4	11 „
Noon.	- 7	- 6	- 4	- 5	- 5	- 5	- 2	- 4	- 3	- 5	- 8	- 7	Noon.
1 P. M.	- 9	- 8	- 6	- 6	- 6	- 5	- 3	- 4	- 4	- 7	-10	- 9	1 P. M.
2 „	-10	- 9	- 7	- 7	- 6	- 5	- 3	- 6	- 5	- 7	-10	-10	2 „
3 „	-10	-10	- 6	- 7	- 7	- 6	- 3	- 5	- 5	- 8	-10	- 9	3 „
4 „	- 9	- 9	- 7	- 7	- 5	- 5	- 2	- 4	- 4	- 7	- 9	- 8	4 „
5 „	- 7	- 8	- 5	- 4	- 3	- 4	- 1	- 3	- 3	- 4	- 5	- 5	5 „
6 „	- 2	- 3	- 1	- 1	- 1	- 1	0	- 1	0	- 2	- 3	- 2	6 „
7 „	- 1	0	1	1	1	1	0	0	2	0	0	0	7 „
8 „	1	0	3	3	3	1	1	0	2	1	2	1	8 „
9 „	1	2	3	3	4	1	1	1	4	1	2	2	9 „
10 „	2	2	5	4	5	2	2	3	4	3	3	3	10 „
11 „	4	- 2	5	4	5	2	2	3	4	5	4	4	11 „

TABLE CXVII.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.
1	6·1	5·0	7.7	8·3	9·5	9·7	9·9	9·7		9·8	7·9	
2	6·1	5·9		9·2	9·6		9·6	9·5	9·8	9·9		7·0
3	6·8		8·1	9·6	9·7	9·9	10·0		9·5	9·8	9·6	6·6
4	7·2	5·8	8·7	9·2		9·8	10·1	9·7	9·2	9·8	9·8	7·0
5	7·3	5·5	8·9	9·2	9·4	9·8	10·4	9·6	9·2		9·5	6·8
6		6 8	7·9		9·4	9·5		9·7	9·0	9·8	9·7	6·5
7	7·1	7·2	8·3	8·8	9·2	9·8	10·1	9·6		10·1	8·9	
8	7·4	7·2	9·1	9·5	9·1		10·2	9·5	8·9	10·1	9·0	5·1
9	7·7	7·0		9·5	9·1	9·9	10·1	9·4	8·9	9·8		4·7
10	7·2		8·9	9·5	9·3	10·3	9·9		8·7	10·4	6·9	6·1
11	7·9	7·4	8·9	9·6		10·1	9·9	9·4	8·1	9·8	6·8	7·1
12	7·4	7·7	9·0	8·6	9·6	10·4	10·1	9·3	8·5		6·7	8·5
13		7·7	8·7		9·7	10·4		9·6	8·7	9·2	6·5	8·7
14	7·0	7·2	9·5	9·6	9·4	10·3	9·7	9·5		9·1	6·6	
15	7·1	6·8	9·8	9·4	9·2		10·1		9·6	8·7	6·9	7·5
16	7·0	6·8		8·1	9·1	10·4	9·9	9·5	9·8	8·7		6·3
17	6·9		8·8	8·3	8·8	10·2	9·8		9·1	8·8	6·9	7·2
18	6·8	6·9	8·3	8·0		10·1	9·8	9·5	9·2	9·2	7·1	7·8
19	6·4	6·3	8·4	8·6	9·8	10·3	9·8	9·3	9·0		7·4	7·2
20		6·9	8·1		10·3	10·1		9·5	8·8	8·7	7·2	7·0
21	7·9	7·8		9·4	10·0	10·0	10·0	9·6		8·3	6·8	
22	7·7	6·9		9·5	10·0		9·9	9·6	9·3	8·7	6·4	7·7
23	7·7	6·9		9·5	10·0	9·7	9·8	9·4	8·9	8·4		7·3
24	8·1	8·1	8·4	9·8		9·8	9·6		8·9	8·1	7·9	6·9
25	8·1		7·8	9·7		9·9	9·8	9·0	9·0	8·4	8·4	6·4
26	8·0	7·2	7·9	9·5	10·0	9·8	9·9	8·9	8·9		8·4	6·6
27		6·5	8·1		10·2	10·1		9·2	9·2		7·3	
28	7·0	6·8	8·4	9·4	10·1	10·1	9·9	9·4		9·2	5·9	
29	6·4	7·2	8·7	9·4	10·4		9·8	9·4	10·1	9·7	7·1	7·2
30	6·4			9·7	10·0	10·4	9·8	9·2	9·8	8·7	7·4	7·5
31	5·3		7·8		9·5		9·8	9·2		7·8		7·2

TABLE CXVIII.—*Showing, for each Month, the Mean Weight in Grains of Water in a Cubic Foot of Common Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Weight in Grains of Vapour in a Cubic Foot of Common Air.	Difference from the Mean of the Year.
	gr.	gr.
January	7·1	−1·5
February	6·8	−1·8
March	8·5	−0·1
April	9·1	0·5
May	9·6	1·0
June	10·0	1·4
July	9·8	1·2
August	9·5	0·9
September	9·1	0·5
October	9·1	0·5
November	7·7	−0·9
December	6·9	−1·7

FOR SEASONS.	
	gr.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter ..	7·7
Mean of { Apr. May, June, July, Aug. Sept. } or Summer..	9·5
Mean of the year	8·6
Greatest monthly mean, in June	10·0
Least monthly mean, in February	6·8
Difference	3·2

TABLE CXIX.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	7·2	6·8	8·4	9·0	9·9	9·9	9·8	9·3	8·9	9·0	7·8	6·9	Midnight.
1 A. M.	7·2	7·0	8·5	9·2	9·5	9·8	9·9	9·7	8·9	9·0	7·8	6·9	1 A. M.
2 „	7·0	7·0	8·5	9·2	9·5	9·8	9·7	9·2	8·9	9·0	7·7	6·9	2 „
3 „	7·0	7·0	8·4	8·9	9·5	9·8	9·7	9·2	8·9	9·2	7·5	6·7	3 „
4 „	6·9	7·0	8·4	8·9	9·5	9·8	9·5	9·2	8·9	9·1	7·4	6·6	4 „
5 „	6·8	6·6	8·2	8·9	9·5	9·6	9·7	9·2	9·0	8·9	7·4	6·6	5 „
6 „	6·7	6·6	8·1	8·9	9·5	9·8	9·9	9·2	9·0	8·9	7·2	6·6	6 „
7 „	6·8	6·6	8·2	9·0	9·6	10·1	10·0	9·4	9·2	9·2	7·4	6·7	7 „
8 „	6·8	6·8	8·1	9·1	9·7	10·1	9·9	9·5	9·3	9·2	7·3	6·8	8 „
9 „	6·9	6·8	8·4	9·1	9·7	10·1	10·1	9·9	9·5	9·3	7·2	6·7	9 „
10 „	6·7	6·5	8·3	9·2	9·6	10·3	10·2	9·8	9·5	9·3	7·1	6·8	10 „
11 „	6·5	6·5	8·6	9·4	9·7	10·4	10·1	9·9	9·5	9·1	7·1	6·6	11 „
Noon.	6·5	6·7	8·8	9·3	9·6	10·6	10·1	9·8	9·2	9·1	7·0	6·5	Noon.
1 P. M.	6·7	7·1	8·8	9·3	9·7	10·4	10·1	9·8	9·2	9·3	7·0	6·9	1 P. M.
2 „	7·1	7·2	8·7	9·3	9·8	10·3	10·1	9·7	9·2	9·4	7·2	7·1	2 „
3 „	7·4	7·1	8·7	9·1	9·8	10·0	10·0	9·6	9·2	9·4	7·7	7·3	3 „
4 „	7·7	7·1	8·6	9·0	9·9	10·2	9·9	9·5	9·0	9·1	7·9	7·3	4 „
5 „	7·6	7·1	8·6	9·1	9·8	10·1	10·0	9·3	9·0	9·0	8·0	7·5	5 „
6 „	7·7	7·1	8·7	9·1	9·8	10·1	9·8	9·3	8·9	8·9	8·2	7·5	6 „
7 „	7·7	6·9	8·7	9·1	9·7	9·8	9·8	9·3	8·9	8·9	8·4	7·5	7 „
8 „	7·4	6·8	8·7	9·2	9·7	9·8	9·8	9·3	8·9	9·0	8·3	7·3	8 „
9 „	7·2	6·8	8·5	9·2	9·7	10·0	9·9	9·4	9·0	8·9	8·1	7·1	9 „
10 „	7·2	6·8	8·4	9·2	9·6	9·9	9·8	9·4	8·9	8·9	7·9	6·9	10 „
11 „	7·0	6·3	8·4	9·2	9·5	10·0	10·0	9·3	8·9	8·9	7·8	6·8	11 „

TABLE CXX.—*Showing, for the Year* 1856, *the Mean Weight in Grains of Water in a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of Water in a Cubic Foot of Common Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	gr.	gr.	
Midnight.	8·6	0·0	
1 A. M.	8·6	0·0	
2 „	8·6	0·0	
3 „	8·5	− 0·1	
4 „	8·4	− 0·2	gr.
5 „	8·4	− 0·2	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night..... 8·6
6 „	8·3	− 0·3	
7 „	8·5	− 0·1	
8 „	8·5	− 0·1	
9 „	8·6	0·0	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 8·6
10 „	8·7	0·1	
11 „	8·6	0·0	Mean..... 8·6
Noon.	8·6	0·0	
1 P. M.	8·7	0·1	
2 „	8·8	0·2	
3 „	8·8	0·2	
4 „	8·8	0·2	
5 „	8·8	0·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
6 „	8·8	0·2	
7 „	8·7	0·1	A maximum at about 5 P. M.
8 „	8·6	0·0	A minimum at about 6 A. M.
9 „	8·6	0·0	
10 „	8·6	0·0	
11 „	8·5	− 0·1	

TABLE CXXI.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Weight in Grains of Water in a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Weight of Water in a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Water in a Cubic Foot of Common Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	gr.	gr.	gr.	H.	H.
January	7·7	6·5	1·2	4 P. M.	11 A. M.
February	7·2	6·5	0·7	2 „	11 „
March	8·8	8·1	0·7	1 „	6 „
April	9·4	8·9	0·5	11 A. M.	6 „
May	9·9	9·5	0·4	4 P. M.	6 „
June	10·6	9·6	1·0	Noon.	5 „
July	10·2	9·5	0·7	10 A. M.	4 „
August	9·9	9·2	0·7	9 & 11 „	5 „
September	9·5	8·9	0·6	11 „	Uncertain.
October	9·4	8·9	0·5	2 P. M.	6 A. M.
November	8·4	7·2	1·2	7 „	6 „
December	7·5	6·6	0·9	7 „	6 „

TABLE CXXII.—*Excess of the Hourly Mean Weight of Water in a Cubic Foot of Common Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	0·1	0·0	-0·1	-0·1	+0·3	-0·1	0·0	-0·2	-0·2	-0·1	0·1	0·0	Midnight.
1 A. M.	0·1	0·2	0·0	0·1	-0·1	-0·2	-0·1	0·2	-0·2	-0·1	0·1	0·0	1 A. M.
2 „	-0·1	0·2	0·0	0·1	-0·1	-0·2	-0·1	-0·3	-0·2	-0·1	0·0	0·0	2 „
3 „	-0·1	0·2	-0·1	-0·2	-0·1	-0·2	-0·1	-0·3	-0·2	0·1	-0·2	-0·2	3 „
4 „	-0·2	0·2	-0·1	-0·2	-0·1	-0·2	-0·3	-0·3	-0·2	0·0	-0·3	-0·3	4 „
5 „	-0·3	-0·2	-0·3	-0·2	-0·1	-0·4	-0·1	-0·3	-0·1	-0·2	-0·3	-0·3	5 „
6 „	-0·4	-0·2	-0·4	-0·2	-0·1	-0·2	0·1	-0·3	-0·1	-0·2	-0·5	-0·3	6 „
7 „	-0·3	-0·2	-0·3	-0·1	0·0	0·1	0·2	-0·1	0·1	0·1	-0·3	-0·2	7 „
8 „	-0·3	0·0	-0·4	0·0	0·1	0·1	0·1	0·0	0·2	0·1	-0·4	-0·1	8 „
9 „	-0·2	0·0	-0·1	0·0	0·1	0·1	0·3	0·4	0·4	0·2	-0·5	-0·2	9 „
10 „	-0·4	-0·3	-0·2	0·1	0·0	0·3	0·4	0·3	0·4	0·2	-0·6	-0·1	10 „
11 „	-0·6	-0·3	0·1	0·3	0·1	0·4	0·3	0·4	0·4	0·0	-0·6	-0·3	11 „
Noon.	-0·6	-0·1	0·3	0·2	0·0	0·6	0·3	0·3	0·1	0·0	-0·7	-0·4	Noon.
1 P. M.	-0·4	0·3	0·3	0·2	0·1	0·4	0·3	0·3	0·1	0·2	-0·7	0·0	1 P. M.
2 „	0·0	0·4	0·2	0·2	0·2	0·3	0·3	0·2	0·1	0·3	-0·5	0·2	2 „
3 „	0·3	0·3	0·2	0·0	0·2	0·0	0·2	0·1	0·1	0·3	0·0	0·4	3 „
4 „	0·6	0·3	0·1	0·1	0·3	0·2	0·1	0·0	-0·1	0·9	0·2	0·4	4 „
5 „	0·5	0·3	0·1	0·0	0·2	0·1	0·2	-0·2	-0·1	-0·1	0·3	0·6	5 „
6 „	0·6	0·3	0·2	0·0	0·2	0·1	0·0	-0·2	-0·2	-0·2	0·5	0·6	6 „
7 „	0·6	0·1	0·2	0·0	0·1	-0·2	0·0	-0·2	-0·2	-0·2	0·7	0·6	7 „
8 „	0·3	0·0	0·2	0·1	0·1	-0·2	0·0	-0·2	-0·2	-0·1	0·6	0·4	8 „
9 „	0·1	0·0	0·0	0·1	0·1	0·0	0·1	-0·1	-0·1	-0·2	0·4	0·2	9 „
10 „	0·1	0·0	-0·1	0·1	0·0	-0·1	0·0	-0·1	-0·2	-0·2	0·2	0·0	10 „
11 „	-0·1	-0·5	-0·1	0·1	0·1	0·0	0·2	-0·2	-0·2	-0·2	0·1	0·1	11 „

TABLE CXXIII.—*Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.
1	4·1	4·0	2·9	3·9	3·5	2.2	0·6	1·2		1·3	2·9	
2	4·1	3·2		3·3	3·5		0·3	1·3	1·3	1·3		2·7
3	3·1		2·7	2·7	3·2	0·2	0·5		1·7	1·7	1·5	3·0
4	2·7	3·2	2·2	3·0		1·3	1·0	1·3	2·0	1·8	1·7	2·3
5	2·3	3·5	1·9	2·6	3·5	1·1	0·6	1·1	2·6		1·6	2·8
6		2·8	3·2		3·5	1·0		1·0	2·3	2·6	1·5	3·1
7	2·8	2·7	3·2	3·1	3·8	1·3	1·9	1·5		2·1	2·7	
8	2·8	2·7	2·0	2·3	3·8		2·0	1·3	2·2	1·8	2·5	3·9
9	2·2	2·6		2·4	3·9	0·4	1·6	1·7	2·2	2·0		4·0
10	2·7		2·2	2.4	3·7	0·8	1·9		2·5	1·8	4·2	3·5
11	2·3	2·2	2·3	2.6		1·4	1·9	1·7	3·2	1·9	3·7	3·2
12	2·5	2·3	2·1	4·3	3·3	1·9	1·7	1·7	2·0		4·1	2·1
13		2·2	3·1		3·2	2·1		1·9	2·1	1·8	4·0	1·8
14	2·7	2·4	2·7	2·9	3·7	2·2	0·8	2·0		2·0	3·7	
15	2·5	3·1	2·4	3·1	4·1		1·0		1·2	2·1	3·3	2·2
16	2·6	2·8		4·1	4·0	1·8	1·6	1·7	1·0	2·1		2·5
17	2·7		3·0	3·9	4·3	2·0	1·7		1·7	2·3	3·3	1·9
18	2·3	3·3	3·6	4·5		2·2	1·7	1·4	1·7	2·1	3·2	1·6
19	3·2	4·2	2·7	4·3	3·1	2·2	1·7	1·7	0·6		2·8	2·2
20		4·2	2·7		3.0	2·5		1·3	0·5	1·9	3·1	2·3
21	2·0	3·0		3·1	2·9	2·9	1·8	1·5		2·1	3·1	
22	2·6	4·2		3·0	3·1		1·9	1·3	0·6	1·8	3·0	1·9
23	2·3	3·6		3·0	3·4	3·2	1·3	1·7	1·6	2·1		2·7
24	1·8	1·8	2·8	3·1		2·8	0·6		2·5	2·3	1·7	2·7
25	1·8		3·1	3·2		2·5	0·8	2·3	1·8	2·1	2.1	2·6
26	1·6	2·7	3·2	3·4	3·7	2·0	0.8	2·6	2·1		2·7	2·4
27		3·7	3·4		2·0	1·0		2·3	1·9		3·3	
28	2·3	3·4	3·4	3·1	2·8	2·1	0·6	1·4		1·9	4·1	
29	2·6	2·7	3·1	3·5	2·3		1·0	1·4	1·0	2·1	2·5	1·7
30	2·9			3·6	2·7	1·2	1·0	1·3	1·0	2·7	2·0	1·4
31	3·8		3·7		2·3		1·3	1·2		2·7		1·6

TABLE CXXIV.—*Showing, for each Month, the Mean Weight in Grains of Water required for complete Saturation of a Cubic Foot of Common Atmospheric Air, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Weight in Grains required for complete Saturation of a Cubic Foot of Common Air.	Difference from the Mean of the Year.
	gr.	gr.
January	2·7	0·2
February	3·1	0·6
March	2·8	0·3
April	3·3	0·8
May	3·3	0·8
June	1·8	− 0·7
July	1·2	− 1·3
August	1·6	− 0·9
September	1·7	− 0·8
October	2·0	− 0·5
November	2·8	0·3
December	2·5	0·0

FOR SEASONS.

	gr.
Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter	2·7
Mean of { Apr. May, June, / July, Aug. Sept. } or Summer	2·2
Mean of the year	2·5
Greatest monthly mean, in February	3·1
Least monthly mean, in July	1·2
Difference	1·9

TABLE CXXV.—*Mean Weight in Grains required for Complete Saturation of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	1·7	2·2	1·9	2·2	1·9	1·2	1·0	1·2	1·3	1·2	1·6	1·6	Midnight.
1 A. M.	1·6	2·0	1·8	1·9	2·3	1·3	0·7	0·8	1·3	1·2	1·5	1·6	1 A. M.
2 „	1·5	1·8	1·7	1·6	2·2	1·1	0·8	1·2	1·3	1·1	1·6	1·5	2 „
3 „	1·5	1·8	1·6	1·9	2·1	1·2	0·9	1·1	1·2	0·7	1·7	1·5	3 „
4 „	1·3	1·5	1·5	1·9	2·0	1·1	1·0	1·0	1·1	0·8	1·6	1·6	4 „
5 „	1·5	1·6	1·5	1·6	2·0	1·2	0·9	1·0	0·9	1·0	1·6	1·4	5 „
6 „	1·5	1·6	1·6	1·7	2·1	1·1	0·7	1·0	0·9	0·9	1·8	1·3	6 „
7 „	1·4	1·9	1·8	1·7	2·7	1·1	0·8	1·1	1·0	1·0	1·9	1·4	7 „
8 „	2·2	2·5	2·7	3·4	3·4	1·7	1·2	1·3	1·4	1·6	2·6	2·0	8 „
9 „	2·7	3·1	3·4	4·2	4·2	2·1	1·2	0·9	1·6	2·2	3·4	2·8	9 „
10 „	3·5	4·0	4·0	4·5	4·6	2·2	1·5	1·7	2·1	2·5	4·1	3·3	10 „
11 „	4·3	4·6	4·0	4·0	4·9	2·3	1·6	2·0	2·3	3·2	4·7	4·0	11 „
Noon.	5·0	4·8	4·2	5·2	5·4	2·5	1·7	2·4	2·7	3·4	5·1	4·6	Noon.
1 P. M.	5·1	4·7	4·5	5·6	5·6	2·9	1·9	2·4	2·8	3·6	5·9	4·7	1 P. M.
2 „	5·1	5·0	5·0	5·6	5·6	3·0	1·9	2·7	3·0	3·6	5·7	4·5	2 „
3 „	4·8	5·1	4·7	5·8	5·3	3·3	2·0	2·7	3·0	3·7	5·2	4·2	3 „
4 „	4·1	4·7	4·7	5·5	4·7	2·7	1·8	2·3	2·8	3·8	4·6	3·9	4 „
5 „	3·5	4·4	4·3	4·6	4·0	2·4	1·5	2·2	2·3	3·0	3·5	2·9	5 „
6 „	2·5	3·4	3·1	3·4	3·1	1·7	1·4	1·6	1·9	2·6	2·6	2·4	6 „
7 „	2·2	3·0	2·4	3·1	2·7	1·7	1·3	1·5	1·7	2·2	2·1	2·1	7 „
8 „	2·2	3·1	2·2	2·6	2·5	1·7	1·1	1·5	1·6	1·9	1·9	2·1	8 „
9 „	2·1	2·8	2·3	2·6	2·3	1·3	0·9	1·3	1·3	2·0	2·0	1·9	9 „
10 „	1·9	2·8	2·1	2·3	2·3	1·2	1·0	1·2	1·3	1·6	1·8	1·9	10 „
11 „	1·9	4·2	2·1	2·3	2·3	1·1	0·8	1·2	1·3	1·3	1·7	1·7	11 „

TABLE CXXVI.—*Showing, for the Year* 1856, *the Mean Weight in Grains of Water required for Complete Saturation of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of Water required for Complete Saturation.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	gr.	gr.	
Midnight.	1·6	− 0·8	
1 A. M.	1·5	− 0·9	
2 „	1·5	− 0·9	
3 „	1·5	− 0·9	gr.
4 „	1·4	− 1·0	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night ..... 1·7
5 „	1·4	− 1·0	
6 „	1·4	− 1·0	
7 „	1·5	− 0·9	
8 „	2·2	− 0·2	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 3·1
9 „	2·6	0·2	
10 „	2·9	0·5	
11 „	3·5	1·1	Mean..... 2·4
Noon.	3·9	1·5	
1 P. M.	4·1	1·7	
2 „	4·2	1·8	
3 „	4·2	1·8	
4 „	3·8	1·4	
5 „	3·2	0·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
6 „	2·5	0·1	
7 „	2·1	− 0·3	A maximum at about 2 P. M.
8 „	1·9	− 0·5	A minimum at about 4 A. M.
9 „	1·8	− 0·6	
10 „	1·8	− 0·6	
11 „	1·8	− 0·6	

TABLE CXXVII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Weight in Grains of Water required for Complete Saturation, in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Weight of Water required for Complete Saturation.		Mean Diurnal Range.	The Time at which the Mean Weight of Water required for Complete Saturation of a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	gr.	gr.	gr.	H.	H.
January	5·1	1·3	3·8	2 P. M.	4 A. M.
February	5·1	1·5	3·6	3 „	4 „
March	5·0	1·5	3·5	2 „	4 „
April	5·8	1·6	4·2	3 „	5 „
May	5·6	2·0	3·6	2 „	4 „
June	3·3	1·1	2·2	3 „	Uncertain.
July	2·0	0·7	1·3	3 „	1 & 6 A. M.
August	2·7	0·8	1·9	3 „	1 „
September	3·0	0·9	2·1	3 „	5 „
October	3·8	0·7	3·1	4 „	3 „
November	5·9	1·6	4·3	1 „	4 „
December	4·7	1·3	3·4	1 „	6 „

TABLE CXXVIII.—*Excess of the Mean Hourly Weight of Water required for Complete Saturation above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	gr.	
Midnight.	-1·0	-0·9	-0·9	-1·1	-1·4	-0·6	-0·2	-0·4	-0·4	-0·8	-1·2	-0·9	Midnight.
1 A. M.	-1·1	-1·1	-1·0	-1·4	-1·0	-0·5	-0·5	-0·8	-0·4	-0·8	-1·3	-0·9	1 A. M.
2 „	-1·2	-1·3	-1·1	-1·7	-1·1	-0·7	-0·4	-0·4	-0·4	-0·9	-1·2	-1·0	2 „
3 „	-1·2	-1·3	-1·2	-1·4	-1·2	-0·6	-0·3	-0·5	-0·5	-1·3	-1·1	-1·0	3 „
4 „	-1·4	-1·6	-1·3	-1·4	-1·3	-0·7	-0·2	-0·6	-0·6	-1·2	-1·2	-0·9	4 „
5 „	-1·2	-1·5	-1·3	-1·7	-1·3	-0·6	-0·3	-0·6	-0·8	-1·0	-1·2	-1·1	5 „
6 „	-1·2	-1·5	-1·2	-1·6	-1·2	-0·7	-0·5	-0·6	-0·8	-1·1	-1·0	-1·2	6 „
7 „	-1·3	-1·2	-1·0	-1·6	0·6	-0·7	-0·4	-0·5	-0·7	-1·0	-0·9	-1·1	7 „
8 „	-0·5	0·6	-0·1	0·1	0·1	-0·1	0·0	-0·3	-0·3	-0·4	-0·2	-0·5	8 „
9 „	0·0	0·0	0·6	0·9	0·9	0·3	0·0	-0·7	-0·1	0·2	0·6	0·3	9 „
10 „	0·8	0·9	1·2	1·2	1·3	0·4	0·3	0·1	0·4	0·5	1·3	0·8	10 „
11 „	1·6	1·5	1·2	1·5	1·6	0·5	0·4	0·4	0·6	1·2	1·9	1·5	11 „
Noon.	2·3	1·7	1·4	1·9	2·1	0·7	0·5	0·8	1·0	1·4	2·3	2·1	Noon.
1 P. M.	2·4	1·6	1·7	2·3	2·3	1·1	0·7	0·8	1·1	1·6	3·1	2·2	1 P. M.
2 „	2·4	1·9	2·2	2·3	2·3	1·2	0·7	1·1	1·3	1·6	2·9	2·0	2 „
3 „	2·1	2·0	1·9	2·5	2·0	1·5	0·8	1·1	1·3	1·7	2·4	1·7	3 „
4 „	1·4	1·6	1·9	2·2	1·4	0·9	0·6	0·7	1·1	1·8	1·8	1·4	4 „
5 „	0·8	1·3	1·5	1·3	0·7	0·6	0·3	0·6	0·6	1·0	0·7	+0·4	5 „
6 „	-0·2	0·3	0·3	0·1	-0·2	-0·1	0·2	0·0	0·2	0·6	-0·2	-0·1	6 „
7 „	-0·5	-0·1	-0·4	0·2	-0·6	-0·1	0·1	-0·1	0·0	0·2	-0·7	-0·4	7 „
8 „	-0·5	0·0	-0·6	-0·7	-0·8	-0·1	+0·1	-0·1	-0·1	-0·1	-0·9	-0·4	8 „
9 „	-0·6	-0·3	-0·5	-0·7	-1·0	-0·5	-0·3	-0·3	-0·4	0·0	-0·8	-0·6	9 „
10 „	-0·8	-0·3	-0·7	-1·0	-1·0	-0·6	-0·2	-0·4	-0·4	-0·4	-1·0	-0·6	10 „
11 „	-0·8	1·1	-0·7	-1·0	-1·0	-0·7	-0·4	-0·4	-0·4	-0·7	-1·1	-0·8	11 „

TABLE CXXIX.—*Mean Quantity of Vapour Evaporated in Atmospheric Air, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·377	0·356	0·273	0·372	0·330	0·228	0·057	0·127		0·128	0·271	
2	·332	·305		·305	·337		·039	·108	0·131	·120		0·247
3	·302		·256	·261	·300	·075	·046		·178	·155	·143	·277
4	·238	·294	·225	·274		·123	·107	·126	·185	·176	·172	·221
5	·199	·329	·172	·249	·344	·107	·061	·103	·243		·168	·266
6		·277	·304		·317	·090		·096	·217	·193	·150	·296
7	·262	·259	·298	·298	·360	·119	·177	·141		·209	·259	
8	·262	·266	·183	·230	·367		·188	·132	·213	·167	·224	·366
9	·212	·247		·248	·372	·054	·160	·163	·211	·205		·365
10	·239		·186	·239	·361	·077	·174		·263	·162	·395	·321
11	·218	·221	·216	·343		·120	·175	·167	·298	·171	·349	·284
12	·238	·212	·207	·389	·306	·176	·162	·161	·191		·378	·204
13		·208	·289		·308	·203		·171	·197	·178	·362	·155
14	·261	·229	·250	·266	·352	·221	·164	·180		·192	·346	
15	·240	·290	·233	·296	·372		·107		·104	·207	·307	·203
16	·252	·281		·381	·370	·166	·155	·173	·108	·194		·242
17	·261		·283	·377	·405	·178	·151		·163	·199	·289	·183
18	·231	·297	·334	·430		·210	·146	·141	·173	·203	·294	·152
19	·290	·404	·264	·402	·290	·226	·163	·159	·068		·252	·200
20		·390	·246		·248	·239		·121	·056	·185	·283	·204
21	·197	·279		·300	·269	·273	·179	·140		·200	·280	
22	·258	·392		·280	·297		·183	·121	·061	·183	·279	·179
23	·212	·327		·283	·309	·301	·131	·163	·145	·198		·248
24	·154	·173	·270	·284		·270	·043		·157	·205	·161	·264
25	·157		·283	·312		·236	·084	·211	·172	·190	·175	·238
26	·147	·239	·285	·311	·353	·188	·073	·250	·190		·253	·223
27		·330	·290		·195	·110		·207	·189		·301	
28	·223	·302	·306	·310	·261	·182	·074	·128		·178	·381	·048
29	·253	·271	·293	·328	·228		·097	·131	·093	·218	·261	·048
30	·264			·329	·262	·118	·097	·121	·100	·262	·177	·043
31	·354		·341		·216		·132	·107		·253		·139

TABLE CXXX.—*Showing, for each Month, the Monthly Quantity of Water Evaporated.*

Months, 1856.	Mean Quantity of Water Evaporated in the Atmospheric Air.	Mean Daily Quantity of Evaporation in each Month.
	in.	in.
January	7·673	0·248
February	8·326	·287
March	8·121	·262
April	9·343	·311
May	10·101	·326
June	5·108	·170
July	3·818	·123
August	4·203	·136
September	3·847	·128
October	5·507	·178
November	7·973	·266
December	6·897	·216
Mean	6·743	·221

FOR SEASONS.

	in.
Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter...	7·416
Mean of {Apr. May, June, July, Aug. Sept.} or Summer..	6·070
Mean of the year	6·743
Whole quantity of Evaporation..	80·917
Greatest monthly mean, in May	10·101
Least monthly mean, in July	3·818
Difference.....	6·283

TABLE CXXXI.—*Mean Quantity of Water Evaporated in Atmospheric Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in	in	in	in	in	in	in	
Midnight.	0·006	0·009	0·007	0·009	0·008	0·005	0·004	0·004	0·005	0·004	0·006	0·005	Midnight.
1 A. M.	·006	·012	·007	·008	·009	·005	·003	·004	·005	·004	·006	·006	1 A. M.
2 „	·006	·007	·007	·006	·008	·005	·004	·005	·004	·004	·006	·006	2 „
3 „	·006	·007	·006	·007	·008	·005	·003	·004	·004	·004	·006	·006	3 „
4 „	·006	·006	·006	·007	·008	·005	·004	·004	·004	·003	·007	·006	4 „
5 „	·007	·007	·006	·007	·008	·005	·003	·004	·004	·003	·006	·006	5 „
6 „	·006	·007	·006	·007	·008	·005	·003	·004	·003	·003	·007	·005	6 „
7 „	·007	·007	·006	·010	·011	·005	·003	·004	·004	·004	·007	·005	7 „
8 „	·008	·009	·011	·013	·014	·007	·004	·005	·005	·007	·010	·008	8 „
9 „	·006	·013	·013	·016	·017	·008	·005	·004	·007	·008	·013	·011	9 „
10 „	·013	·016	·015	·018	·019	·008	·006	·006	·009	·010	·016	·013	10 „
11 „	·017	·018	·016	·019	·020	·009	·006	·008	·010	·012	·019	·015	11 „
Noon.	·019	·019	·017	·021	·022	·010	·007	·009	·011	·014	·021	·019	Noon.
1 P. M.	·020	·019	·018	·022	·022	·011	·008	·010	·011	·014	·023	·018	1 P. M.
2 „	·021	·019	·019	·023	·022	·012	·008	·011	·012	·015	·022	·018	2 „
3 „	·019	·019	·019	·023	·021	·012	·008	·011	·012	·015	·020	·016	3 „
4 „	·017	·019	·018	·022	·019	·011	·007	·009	·012	·014	·018	·015	4 „
5 „	·014	·017	·017	·016	·016	·010	·006	·008	·009	·012	·013	·011	5 „
6 „	·010	·013	·012	·013	·012	·007	·006	·006	·007	·010	·010	·009	6 „
7 „	·009	·012	·010	·012	·011	·007	·005	·006	·007	·008	·008	·008	7 „
8 „	·009	·012	·009	·011	·010	·006	·005	·006	·006	·008	·008	·008	8 „
9 „	·008	·011	·009	·010	·009	·005	·004	·005	·005	·008	·008	·008	9 „
10 „	·008	·010	·008	·009	·009	·005	·003	·005	·005	·006	·007	·007	10 „
11 „	·007	·009	·008	·009	·009	·005	·003	·005	·005	·005	·007	·007	11 „

TABLE CXXXII.—*Showing, for the Year* 1856, *the Mean Quantity of Water Evaporated in Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Quantity of Water Evaporated.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·006	−0·003
1 A. M.	·006	− ·003
2 „	·005	− ·004
3 „	·005	− ·004
4 „	·005	− ·004
5 „	·005	− ·004
6 „	·005	− ·004
7 „	·006	− ·003
8 „	·008	− ·001
9 „	·010	·001
10 „	·012	·003
11 „	·014	·005
Noon.	·016	·007
1 P. M.	·016	·007
2 „	·016	·007
3 „	·015	·007
4 „	·012	·006
5 „	·009	·003
6 „	·009	·000
7 „	·009	·000
8 „	·008	− ·001
9 „	·007	− ·002
10 „	·007	− ·002
11 „	·006	− ·003

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night.....	0·006
Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day	0·012
Mean.....	0·009

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at about 2 P. M.
A minimum at about 6 A. M.

TABLE CXXXIII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Quantity of Water Evaporated in Atmospheric Air in each Month was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Quantity of Evaporated Water.		Mean Diurnal Range.	The Time at which the Mean Hourly Quantity of Evaporated Water was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.		H.	H.
January	0·021	0·006	0·015	2 P. M.	6 A. M.
February	·019	·006	·013	2 „	4 „
March	·019	·006	·013	2 „	4 „
April	·023	·006	·017	2 „	3 „
May	·022	·006	·016	2 „	6 „
June	·012	·005	·007	2 „	6 „
July	·008	·006	·002	2 „	6 „
August	·011	·004	·007	2 „	6 „
September	·012	·003	·009	2 „	6 „
October	·015	·003	·012	2 „	6 „
November	·023	·006	·017	1 „	4 „
December	·018	·005	·013	1 „	6 „

The times of maxima and minima are quite uncertain: the times used in this table are only approximate times.

TABLE CXXXIV.—*Excess of the Hourly Quantity of Evaporation over the Mean of the whole Twenty-four Hours.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Midnight.	-0·005	-0·003	-0·004	-0·004	-0·005	-0·002	-0·001	-0·002	-0·002	-0·004	-0·005	-0·005	Midnight.
1 A. M.	- ·005	- ·003	- ·004	- ·005	- ·004	- ·002	- ·002	- ·002	- ·002	- ·004	- ·005	- ·005	1 A. M.
2 „	- ·005	- ·005	- ·004	- ·007	- ·005	- ·002	- ·001	- ·001	- ·003	- ·004	- ·005	- ·005	2 „
3 „	- ·005	- ·005	- ·005	- ·006	- ·005	- ·002	- ·002	- ·002	- ·003	- ·004	- ·005	- ·005	3 „
4 „	- ·005	- ·006	- ·005	- ·006	- ·005	- ·002	- ·001	- ·002	- ·003	- ·005	- ·004	- ·004	4 „
5 „	- ·004	- ·005	- ·005	- ·006	- ·005	- ·002	- ·002	- ·002	- ·003	- ·005	- ·005	- ·004	5 „
6 „	- ·005	- ·005	- ·005	- ·006	- ·005	- ·002	- ·002	- ·002	- ·004	- ·005	- ·004	- ·005	6 „
7 „	- ·004	- ·005	- ·005	- ·003	- ·002	- ·002	- ·002	- ·002	- ·003	- ·004	- ·004	- ·005	7 „
8 „	- ·003	- ·003	·000	·000	·001	·000	- ·001	- ·001	- ·002	- ·001	- ·001	- ·002	8 „
9 „	- ·005	·001	·002	·003	·004	·001	·000	- ·002	·000	·000	- ·002	·001	9 „
10 „	·002	·004	·004	·005	·006	·001	·001	·000	·002	·002	·005	·003	10 „
11 „	·006	·006	·005	·006	·007	·002	·001	·002	·003	·004	·008	·005	11 „
Noon.	·008	·007	·006	·008	·009	·003	·002	·003	·004	·006	·010	·009	Noon.
1 P. M.	·009	·007	·007	·009	·009	·004	·003	·004	·004	·006	·012	·008	1 P. M.
2 „	·010	·007	·008	·010	·009	·005	·003	·005	·005	·007	·011	·008	2 „
3 „	·008	·007	·008	·010	·008	·005	·003	·005	·005	·007	·009	·006	3 „
4 „	·006	·007	·007	·009	·006	·004	·002	·003	·005	·006	·007	·005	4 „
5 „	·003	·005	·006	·003	·003	·003	·001	·002	·002	·004	·002	·001	5 „
6 „	- ·001	·001	·001	·000	- ·001	·000	·001	·000	·000	·002	- ·001	- ·001	6 „
7 „	- ·002	·000	- ·001	- ·001	- ·002	·000	·000	·000	·000	·000	- ·003	- ·002	7 „
8 „	- ·002	·000	- ·002	- ·002	- ·003	- ·001	·000	·000	- ·001	·000	- ·003	- ·002	8 „
9 „	- ·003	- ·001	- ·002	- ·003	- ·004	- ·002	- ·001	- ·001	- ·002	·000	- ·003	- ·002	9 „
10 „	- ·003	- ·002	- ·003	- ·004	- ·004	- ·002	- ·002	- ·001	- ·002	- ·002	- ·004	- ·003	10 „
11 „	- ·004	- ·003	- ·003	- ·004	- ·004	- ·002	- ·002	- ·001	- ·002	- ·003	- ·004	- ·003	11 „

WIND.

The direction of the wind was taken from Osler's Self-registering Anemometer, erected on the western roof of the Astronomical Observatory. Its force, on all ordinary occasions, was observed by Lynd's Wind Gauge; but any force exceeding 2 lbs. pressure was taken from Osler's Gauge.

At Bombay, the wind blows from different directions in different seasons of the year; monsoonish wind generally blows in Summer, and land and sea breezes in Winter.

Those days on which the wind quits its usual direction are called abnormal days; the days on which the wind turns round the compass are also included in abnormal days.

The following is a list of the abnormal days on which the wind has taken unusual sweeps:—

January, 1856.

On the	4th	the wind veered round from	NE.	to	NNW.	by a direct circular motion of	292°	in	5 hours.
„	20th	„	„	„	„	NNE.	to	E.	„	„	„	„	101	in	1 hour.
„	20th	„	„	„	„	NE. b E.	to	SW.	„	„	„	„	169	in	3 hours.
„	20th	„	„	„	„	W. b S.	to	NE.	„	„	„	„	146	in	1 hour.
„	21st	„	„	„	„	NE.	to	N.	„	„	„	„	315	in	15 hours.
„	22nd	the wind blew abnormally.													
„	24th	the wind veered round from	NNW.	to	E.	„	„	„	„	102	in	1 hour.
„	24th	„	„	„	„	E.	to	W.	„	„	„	„	180	in	1 hour.
„	25th	„	„	„	„	W.	to	NW.	by retrograde circular motion of	315	in	10 hours.
„	28th	„	„	„	„	NNW.	to	ESE.	by a direct circular motion of	135	in	1 hour.
„	28th	„	„	„	„	ESE.	to	NW.	„	„	„	„	202	in	9 hours.
„	29th	the wind blew abnormally.													
„	30th	the wind veered round from	SE.	to	NE. b N.	„	„	„	„	247	in	11 hours.

February, 1856.

On the	2nd	the wind veered round from	NNE.	to	NW.	by a direct circular motion of	293	in	3 hours.
„	3rd	„	„	„	„	NW. b W.	to	W.	„	„	„	„	316	in	8 hours.
„	7th	the wind blew abnormally.													
„	8th	„	„	„											
„	9th	the wind veered round from	E.	to	W.	by a direct circular motion of	180	in	½ hour.
„	11th	„	„	„	„	N. b W.	to	N. b E.	„	„	„	„	382	in	6 hours.
„	21st	„	„	„	„	N. b W.	to	WNW.	„	„	„	„	303	in	5 hours.

March, 1856.

On the	3rd	the wind veered round from	N. b W.	to	W.	by a direct circular motion of	281	in	3 hours.
„	4th	„	„	„	„	NNW.	to	W.	„	„	„	„	293	in	5 hours.
„	5th	„	„	„	„	SSW.	to	W.	„	„	„	„	428	in	10 hours.

On the 9th the wind veered round from WSW. to WSW. by a direct circular motion of 360° in 6 hours.
„ 14th „ „ „ „ N. b W. to W. „ „ „ „ 281 in 6 hours.
„ 19th „ „ „ „ NW. to NW. „ „ „ „ 360 in 5 hours.
„ 21st „ „ „ „ NW. to NW. „ „ „ „ 360 in 6 hours.
On the 24th the wind veered round by a direct circular motion from NW. to SE.; and there settled for about 1¼ hour; it then veered back by retrograde motion to N. at 10 h. 15 m., and again turned round by direct circular motion to WNW.; thus, upon the whole, making a turn of 291° in 5 hours.
On the 28th the wind veered round from NW. b N. to NW. by a direct circular motion of 345° in 6½ hours.
„ 29th „ „ „ „ WNW. to W. „ „ „ „ 337 in 7 hours.

April, 1856.

On the 2nd the wind veered round from N. to W. by a direct circular motion of 270° in 4 hours.
„ 8th „ „ „ „ NW. to WNW. „ „ „ „ 337 in 3 hours.
„ 17th „ „ „ „ NW. b N. to NW. „ „ „ „ 349 in 4 hours.
„ 19th „ „ „ „ N. to NW. „ „ „ „ 315 in 3 hours.
„ 25th „ „ „ „ N. to NW. „ „ „ „ 315 in 3 hours.
„ 30th „ „ „ „ NW. to WNW. „ „ „ „ 337 in 7 hours.

May, 1856.

On the 21st the wind veered round from NNW. to WNW. by a direct circular motion of 315 in 4½ hours.
„ 21st „ „ „ „ NW. to ESE. „ „ „ „ 157 in 1 hour.
„ 21st „ „ „ „ ESE. to W. b S. „ „ „ „ 147 instantly.
„ 22nd „ „ „ „ SSE. to WNW. „ „ „ „ 405 in 13 hours.

June, 1856.

On the 7th the wind veered round from SE. to NW. by a direct circular motion of 540 in 10 hours.
„ 30th „ „ „ „ SW. to W. b S. „ „ „ „ 394 in 6 hours.

July, 1856.

On the 1st the wind veered round from W. b S. to NE. by a direct circular motion of 145 in 12 hours.
„ 2nd the wind blew abnormally.
„ 3rd the wind took unusual sweeps between noon and 4 P. M. in the afternoon; it made a turn of 405° in 3 hours.
„ 14th the wind veered round from NNW. to SSW. by a retrograde motion of 223° in 7 hours.
„ 14th „ „ „ „ NW. to NW. by a direct circular motion of 360 in 10 hours.

August, 1856.

On the 24th the wind veered round from W. to WSW. by a direct circular motion of 337° in 4 hours.
„ 28th „ „ „ „ SE. b S. to W. „ „ „ „ 134 in 6 hours.
„ 29th „ „ „ „ SSW. to ESE. „ „ „ „ 270 in 4 hours.

September, 1856.

On the 9th the wind veered round from NW. b N. to SE. by a direct circular motion of 769 in 2 hours.
„ 9th „ „ „ „ SE. to N. „ „ „ „ 225 in ½ hour.
„ 12th „ „ „ „ SW. to NW. „ „ „ „ 450 in 11 hours.
„ 13th „ „ „ „ WNW. to NNW. „ „ „ „ 405 in 6 hours.
„ 23rd „ „ „ „ NE. to W. „ „ „ „ 225 in 9 hours.
„ 24th „ „ „ „ ESE. to NW. „ „ „ „ 203 in 2 hours.
„ 25th „ „ „ „ WNW. to ESE. „ „ „ „ 180 in 3 hours.
„ 25th „ „ „ „ SSE. to W. „ „ „ „ 113 in ½ hour.
„ 30th the wind blew abnormally.

October, 1856.

On the	2nd	the wind	veered	round	from	SW.	to	SSE.	by a direct circular motion of				292°	in 3 hours.
„	7th	„	„	„	„	NE.	to	W.	„	„	„	„	225	instantly.
„	8th	„	„	„	„	NNW.	to	W.	„	„	„	„	293	in 2 hours.
„	10th	„	„	„	„	NW.	to	WNW.	„	„	„	„	337	in 9 hours.
„	12th	„	„	„	„	NNW.	to	SW.	„	„	„	„	158	in 1 hour.
„	12th	„	„	„	„	SE.	to	W.	„	„	„	„	135	in 5 hours.
„	13th	„	„	„	„	NNW.	to	SE.	„	„	„	„	158	in 1½ hour.
„	13th	„	„	„	„	SE.	to	W.	„	„	„	„	225	in 1 hour.
„	26th	„	„	„	„	NNW.	to	NW.	„	„	„	„	337	in 1 hour.
„	27th	„	„	„	„	NE.	to	NE.	„	„	„	„	360	in 12 hours.

November, 1856.

On the	1st	the wind	veered	round	from	ESE.	to	SW.	by a direct circular motion of 113 at 12h. 30m.
„	1st	„	„	„	„	WSW.	to	E.	by a retrograde motion of 203 in 7 hours.
„	2nd	the wind blew abnormally.							
„	3rd	„	„	„					
„	4th	„	„	„					
„	5th	the wind	veered	round	from	E.	to	W.	by a direct circular motion of 180 in ¾ hour.
„	23rd	the wind blew abnormally.							
„	24th	the wind	veered	round	from	WSW.	to	W.	by a retrograde motion of 337 in 14 hours.
„	29th	„	„	„	„	NNE.	to	WNW.	by a direct circular motion of 270 in ½ hour.

December, 1856.

On the	5th	the wind	veered	round	from	NE.	to	WNW.	by a direct circular motion of				247	in 1 hour.
„	13th	„	„	„	„	NNW.	to	W.	„	„	„	„	293	in 6 hours.
„	22nd	„	„	„	„	NW.	to	NE.	„	„	„	„	90	in ⅓ hour.
„	23rd	„	„	„	„	E.	to	W.	„	„	„	„	180	instantly.

TABLE CXXXV.—*Showing, for each Month, the Excess of Direct Circular Motion above the Retrograde Circular Motion.*

Months, 1856.	Excess of the Circular Motion above the Retrograde.	FOR SEASONS.
	t. dg.	t. d.
January	5.11	Sum of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter .. 31·147
February	3.315	
March	9.337	
April	5.324	Sum of {April, May, June, / July, Aug. Sept.} or Summer .. 19·061
May	1.153	
June	2.124	Sum of the year.... 50·208
July	0.349	
August	2.349	
September	5.202	
October	8.225	Greatest Turns in March and October.
November	0.305	Least Turns in July and November.
December	3.34	

Thus we see that the excess of the Circular Motion above the Retrograde was 18208°, or the wind made 50 turns round the compass by the direct circular motion throughout the whole year.

The thirty-two points of the compass, or the thirty-two directions, were reduced to eight points by the following arrangement:—

The days of the principal eight directions were increased by the days of the adjacent points, and also by half the number of days of the next points in order, thus:—

N. = ½ NNW. + N. b W. + N. + N. b E. + ½ NNE.
NE. = ½ NNE. + NE. b E. + NE. + NE. b N. + ½ ENE.

The sums of pressures of each wind and sums of hours of duration of wind in the Tables CXXXVI. to CXLVI. were reduced by the same arrangement. Those directions are only taken into consideration the force of which exceeded 0·1 lb.

TABLE CXXXVI.—*Showing the Sums of the Pressures of Wind for different Directions in every Month, without distinction of Hours; and the Number of Hours during which it blew with a recorded Pressure greater than* 0·1 lb. *on a Square Foot; and the General Range of Hours during which the Wind blew in each Direction.*

Months. 1856.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January ..	27·95	140	At all hours.	12·65	87·5	From midnight to 1 or 2 P. M.	8·75	50	Midnight, 1 A. M., 3 A. M. to noon.	2·70	14·5	3 A. M. to noon.
February .	48·35	139·5	At all hours except 1, 2, and 3 P. M.	4·85	26	From 2 to 6 A. M., 9, 11 A. M., and noon.	3·40	24·5	From 4 A. M. to noon.	6·35	35	From 2 A. M. to noon.
March ...	15·20	59	At all hours except 7 A. M. 11 A. M. and noon.	0·60	6	A single instance.	0·90	8	At 6, 8, 9, and 11 A. M.	3·55	26	From 5 to 10 A. M.
April	32·00	90	At all hours.	0·60	6·5	A few instances.	0·75	6·5	A few instances.	0·85	8·5	From 5 to 9 A. M.
May	6·35	25·5	At all hours except 1 A. M. and 11 P. M.	0·10	2	A single instance.	3·20	1·5	One or two instances.	23·20	30	From midnight to 9 A. M. 10 and 11 P. M.
June	3·10	7	Only three instances.							7·00	17	Midnight, 1, 2, 7, and 11 A. M.
July	1·65	8	Four instances.	0·35	3·5	A few instances.	0·30	3	A single instance.	3·40	8·5	Midnight, 1, 2, 4 A. M., and a few other instances.
August ..	0·20	1·5	No instance.				0·10	1	No instance.	0·65	6	From 9 to 11 A. M.
September.	1·20	12	Occasionally.	0·60	6	A few instances.	1·60	15	From 4 to 9 A. M.	1·65	15·5	From 5 to 10 A. M.
October ..	4·85	38	From 6 to 11 A. M., and 9 to 11 P. M.	3·65	35·5	Midnight to 2 A. M., and 5 to 11 A. M.	0·65	6·5	From 1 to 3, and 8 A. M.	3·50	31	From midnight to 11 A. M.
November.	10·95	68	Midnight, 2 to 9 A. M., and 11 A. M. to 2 P. M.	18·60	105	From 1 A. M. to 1 P. M.	3·60	26	From midnight to 11 A. M.	0·70	7	2, 6, and 8, to 11 A. M.
December .	10·20	61	At all hours except 7, 9 A.M., and 6, 7, and 8 P. M.	14·45	97	From 1 A. M. to 1 P. M.	2·85	22	From 8 to 11 A. M., and 3 and 4 P. M.	0·05	0·5	No apparent instance.

TABLE CXXXVI. *(continued.)*

Months. 1856.	S.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		H.	lbs.		lbs.	H.	
January..	0·15	1·5	4 P. M.	0·30	3	1 to 3 P. M.	2·15	19·5	2 A. M., 1 to 6 P. M.	24·45	118	Midnight, 3, 4 A. M., from noon to 9 P. M.
February .	0·50	6	Midnight or noon.	0·75	8·5	Occasionally.	2·80	19·5	From 1 to 4 P. M.	59·50	168	At all hours except 5 to 9 A. M.
March ...	4·20	21	Occasionally.	4·40	26	11 A. M., noon to 5 P. M.	19·90	72·5	From 11 A. M. to midnight, and 2 A. M.	56·85	148·5	At all hours.
April	5·25	38·5	From midnight to noon, and at 9, 10, and 11 P.M.	7·80	40·5	From 3 A. M. to 2 P. M.	19·35	105·5	At all hours except 8 A. M.	90·60	203	At all hours except 4 and 5 A. M.
May	116·75	44	At all hours except 4 to 8 A. M.	23·55	59·5	At all hours except 5 and 6 A. M.	13·60	99·5	At all hours except 3 to 6 A. M. and 5 P. M.	38·25	183	At all hours.
June	90·15	86·5	At all hours.	40·45	152·5	At all hours.	46·45	237	At all hours.	15·15	32	Occasionally.
July	4·20	28·5	Occasionally.	47·50	158·5	At all hours.	127·40	362·5	At all hours.	9·70	38·5	Occasionally.
August ..	1·60	10	Occasionally.	31·05	103·5	From midnight to noon, and 8 P. M. to midnight.	88·75	346·5	At all hours.	8·15	48·5	A few instances.
September.	0·55	3·5	Very seldom.	10·90	41·5	From midnight to 3 A. M., and noon to 3 P. M.	35·20	177·5	At all hours.	17·40	117	From 8 A. M. to 11 P. M.
October ..	3·15	20·5	Midnight, 1 A.M., 7 to noon, and 4 to 6 P. M.	1·10	11	From 11 A. M. to 4 P. M.	5·50	38	From 11 A. M. to 7 P. M.	41·50	184·5	At all hours except 8 and 9 A. M.
November.	0·10	1	A single instance.	0·80	7	11 A. M., noon to 5 P. M.	7·50	53	From noon to 6 P. M.	38·85	173	Midnight, 2, 4 A. M., and from 11 A. M. to 11 P. M.
December.				0·45	4	Very seldom apparent.	69·0	46	From noon to 7 P. M., and 11 P. M.	35·90	122·5	From 10 A. M. to 11 P. M.

The Record of Forces of Wind greater than One Pound is given in the following Epitome of Wind's Forces.

JAN. 18th.—Fresh breezes in the evening, the pressure of which was about 1 lb.

FEB. 1st, 4th, 14th, 15th, 16th, 19th, 23rd, 26th, 27th, and 29th.—Fresh breezes in the afternoon, the force of which was less than 2 lbs. and greater than 1 lb.

MAR. 1st, 13th, and 17th.—Fresh breezes in the afternoon, whose pressure was about 1 lb.

„ 18th.—Fresh breezes from W. in the afternoon, maximum pressure of wind was about 2 lbs.

„ 26th.—Fresh breezes blew in the evening, the pressure of which was about 1 lb.

APRIL 1st.—Fresh breezes in the afternoon from NNW., the pressure of which was about 1 lb.

„ 4th and 5th.—Fresh breezes from NNW., the pressure of which was about 1 lb.

„ 11th, 12th, 18th, 19th, 23rd, 24th, 29th, and 30th.—Fresh breezes in the afternoon, the pressure of which was about 1 lb.

MAY 19th and 20th.—Fresh breezes in the afternoon, the pressure of which was about 2·5 lbs.

„ 21st.—An arched squall from E. or SE. in the evening; its maximum pressure at 5h. 45m. P. M. was 16 lbs.; this squall lasted for about 1h. 30m.

„ 29th.—Steady gale from S., which lasted for nine hours; maximum pressure was about 3 lbs.

„ 30th.—Stormy wind from S.; its force was generally 6 lbs., but once it rose as high as 14 lbs.; this gale lasted from noon to 3 A. M. of the next day.

„ 31st.—Squally wind in the afternoon; wind often shifting and changing its direction; the force of wind was generally 5 lbs.; its maximum force at 1h. 45m. and 2h. 20m. P. M. was 10 lbs., and at 7h. 40m., its force was 11 lbs. strong.

JUNE 1st.—Squally wind blowing throughout the whole day; the pressure of wind generally 4 lbs., but it rose as high as 11 lbs. at 2h. 45m. P. M.

„ 2nd.—Squally wind blowing throughout the whole day; its force at 7h. 40m. A. M. was 5 lbs., and at 3h. 30m. P. M. the pressure was about 6·5 lbs.

„ 3rd.—Squally wind blowing; the force of wind generally 3 lbs.; its maximum force at 2h. 30m. P. M. was 8 lbs.

„ 4th.—Light breezes from S. at 5h. A. M. and 5 P. M., the pressure of which was about 1 lb.

„ 5th.—Squally wind at 2h. 10m. P. M. from NNW., the maximum pressure of which was about 2½ lbs.; this squall lasted for about 2 hours.

„ 8th.—Light breezes from W. in the evening, the pressure of which was about 1·5 lb.

„ 9th and 10th.—Occasional squalls from NW., the pressure of which was generally 4 lbs., but on the 10th instant, at 3h. P. M., it rose as high as 9 lbs.

„ 11th.—Squally wind from NNW. at 1h. 20m. in the afternoon, blowing with a force of about 3 lbs.; it lasted for half an hour.

„ 15th.—Light breezes from WSW. in the evening, the pressure of which was about 1 lb.

„ 16th, 17th, and 18th.—Occasional squalls from SW., maximum pressure of which was about 2 or 3 lbs.

„ 25th.—Squally wind from NW. at noon and sunset, the pressure of which was about 3 lbs.

„ 26th.—Squally wind from WSW. at 9h. 20m. A. M., the pressure of which was about 3 lbs.

„ 27th.—Wind blew from S. at 1h. 25m. A. M., the pressure of which was about 2½ lbs.

JULY 1st.—Squally wind in the afternoon from NW.; the force of wind was about 3 lbs.

„ 2nd.—Squally wind at 2h. and 8h. A. M., the force of which was about 3 lbs. and 1 lb. respectively.

„ 3rd, 4th, 5th, and 6th.—Occasional squalls throughout the day; the force of wind was more than 1 lb. and less than 2 lbs.

JULY 11th.—Squally wind from NW., the force of which was generally 2 lbs., but at 2h. 20m. P. M. its maximum force was 4 lbs.

„ 12th and 15th.—Occasionally blowing in squalls of short duration, the pressure of wind being about 2 lbs.

„ 16th, 17th, and 18th.—Occasional squalls from W., the force of which was about 3 lbs.

„ 19th, 20th, 21st, 22nd, 23rd, and 24th.—High winds blowing from W.; the wind often shifting and changing its directions; the force of wind was about 2 lbs., but some of the puffs were 5 or 6 lbs. strong.

„ 25th and 26th.—Squally wind blowing from W.; its force at 10h. 50m. A. M. of the 25th instant was 5 lbs.

„ 27th and 28th.—High wind blowing from SW. or W.; the force of wind was generally 3 lbs., but once it rose to 7·5 lbs.

„ 29th and 30th.—Occasional squalls from W., the force of which was about 3·5 lbs.

AUG. 1st, 2nd, and 3rd.—High winds blowing from SW. or W.; the force of wind was generally 2 lbs., but sometimes it rose to 6 lbs.

„ 4th, 5th, 6th, 7th, 8th, 9th, and 16th.—Occasional squalls from W. or NW., the force of which was generally 1 or 2 lbs.

„ 17th, 18th, 30th, and 31st.—Squally wind in the morning from SW. or W., the pressure of which was about 5 or 6 lbs.

SEPT. 1st, 2nd, and 3rd.—Steady breezes from SW. or W., the force of which was about 2 lbs.

„ 16th and 18th.—Light breezes of wind in the evening, the force of which was about 1 lb.

„ 21st.—Squally wind from SW. in the morning, the force of which was about 2·5 lbs.

„ 29th and 30th.—Arched squalls in the morning from E., which lasted for about an hour; maximum force of wind was about 4 lbs.

OCT. 16th and 30th.—The wind blew in light breezes in the afternoon, the force of which was 1 lb.

NOV. 21st.—Light breezes blew in the afternoon, the force of which was about 1 lb.

DEC. 3rd, 6th, 8th, and 20th.—Light breezes of wind in the afternoon, the force of which was about 1 lb.

TABLE CXXXVII.—*Showing the Sums of the Forces of each Wind, during the Year* 1856, *for every Hour of Bombay Civil Time.*

Bombay Civil Time.	Direction of Wind.								Bombay Civil Time.
	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Midnight.	7·50	1·10	0·55	4·80	4·20	10·20	14·90	9·15	Midnight.
1 A. M.	5·25	1·75	0·60	4·85	6·50	6·05	8·70	10·50	1 A. M.
2 „	5·10	2·10	0·60	6·35	6·35	8·40	9·80	7·20	2 „
3 „	5·70	2·65	0·65	2·85	7·45	7·00	15·90	10·10	3 „
4 „	4·65	3·90	1·00	4·10	2·85	7·30	9·80	4·30	4 „
5 „	3·15	3·05	0·85	3·30	1·75	5·95	17·65	2·70	5 „
6 „	3·50	3·35	1·70	1·85	2·35	6·75	14·30	2·70	6 „
7 „	2·80	4·20	1·40	3·30	2·95	4·65	11·40	2·10	7 „
8 „	4·00	4·30	1·95	2·55	2·40	5·65	10·45	3·10	8 „
9 „	5·30	9·35	5·20	4·55	3·05	5·70	12·45	3·20	9 „
10 „	4·35	9·80	4·55	2·75	4·25	5·60	12·55	5·55	10 „
11 „	5·00	5·15	2·65	1·45	3·85	6·05	13·45	11·30	11 „
Noon.	7·35	3·65	0·75	0·85	5·70	7·95	17·25	20·40	Noon.
1 P. M.	3·60	0·85	0·05	0·25	10·90	8·65	18·20	26·70	1 P. M.
2 „	6·00	0·30			11·10	5·85	22·20	36·55	2 „
3 „	7·45	0·10	0·10		21·30	6·05	23·60	44·20	3 „
4 „	8·30		0·10	0·10	11·55	5·40	22·15	48·10	4 „
5 „	8·65	0·10	0·05	0·05	12·75	7·60	18·10	38·50	5 „
6 „	9·40	0·05	3·15	3·10	22·40	8·80	16·65	38·75	6 „
7 „	14·50	0·25	0·05		25·40	4·20	15·65	37·05	7 „
8 „	11·95	0·05	0·05	0·10	22·00	9·55	18·45	29·35	8 „
9 „	11·30	0·05	0·10	0·35	19·05	6·75	17·25	17·85	9 „
10 „	8·05	0·15		2·80	12·15	9·05	18·15	15·25	10 „
11 „	6·15	0·20		3·30	4·35	9·90	16·50	11·70	11 „

TABLE CXXXVIII.—*Showing, during the Year* 1856, *the Duration of each Wind, for every Hour of Bombay Civil Time.*

Bombay Civil Time.	Direction of Wind.								Bombay Civil Time.
	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
	H.	H.	H.	H.	H.	H.	H.	H.	
Midnight.	32·0	5·5	3·5	8.0	10·5	33·5	49·5	37·5	Midnight.
1 A. M.	21·5	12·0	4·5	8·5	9·0	29·0	40·5	27·0	1 A. M.
2 „	23·5	16·5	6·0	10·5	12·5	23·5	44·5	25·0	2 „
3 „	27·5	15·0	5·5	11·5	14·0	20·5	40·5	26·5	3 „
4 „	31·0	20·0	5·0	11·0	12·0	25·5	40·5	25·0	4 „
5 „	27·5	22·5	6·0	12·0	11·5	16·0	45·0	17·5	5 „
6 „	30·5	29·0	14·0	19·5	9·5	18·0	42·5	15·0	6 „
7 „	24·5	34·5	12·0	24·0	10·0	18·5	41·0	15·5	7 „
8 „	34·5	36·0	18·0	21·5	13·5	21·0	41·0	15·5	8 „
9 „	34·5	51·5	30·0	27·5	16·5	23·0	55·0	18·0	9 „
10 „	24·5	54·0	28·0	17·0	24·5	27·0	55·0	34·0	10 „
11 „	23·0	34·5	20·0	9·0	17·0	33·5	67·5	52·5	11 „
Noon.	22·5	24·0	6·0	5·5	15·0	38·5	84·5	76·5	Noon.
1 P. M.	17·0	8·0	0·5	1·5	8·0	33·5	110·5	104·0	1 P. M.
2 „	19·5	3·0			7·5	31·0	125·5	111·5	2 „
3 „	12·5	1·0	1·0		6·5	26·5	126·5	126·5	3 „
4 „	17·0		1·0	1·0	7·0	21 5	116·5	133·5	4 „
5 „	19·5	1·0	0·5	0·5	6·5	19·0	94·5	141·5	5 „
6 „	22·0	0·5	1·0	0·5	7·0	20·5	78·5	143·0	6 „
7 „	34·0	1·5	0·5		8·0	24·0	62·5	122·5	7 „
8 „	38·0	0·5	0·5	0·5	9·0	24·0	53·0	97·5	8 „
9 „	43·5	0·5	1·0	1·5	10·0	30·0	56·0	67·5	9 „
10 „	37·5	1·5		3·5	7·0	28·0	55·0	56·0	10 „
11 „	32·0	2·5		5·0	9·0	30·0	52·0	47·5	11 „

TABLE CXXXIX.—*Showing the Mean Pressure of each Wind at every Hour of Bombay Civil Time, as obtained by dividing the Table* CXXXVII. *by Table* CXXXVIII.

Bombay Civil Time.	Direction of Wind in 1856.							
	N.	NE.	E.	SE.	S.	SW.	W.	NW.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Midnight.	0·23	0·20	0·16	0·59	0·40	0·30	0·30	0·24
1 A. M.	·24	·15	·13	·57	·72	·21	·22	·39
2 „	·22	·13	·10	·61	·51	·36	·22	·28
3 „	·21	·17	·12	·25	·53	·34	·39	·38
4 „	·15	·19	·20	·37	·34	·29	·24	·17
5 „	·11	·14	·14	·27	·15	·37	·39	·15
6 „	·11	·12	·12	·09	·25	·38	·33	·18
7 „	·11	·12	·12	·13	·29	·25	·28	·14
8 „	·11	·12	·11	·12	·18	·27	·27	·20
9 „	·15	·18	·17	·16	·19	·25	·23	·17
10 „	·17	·18	·17	·16	·17	·21	·23	·16
11 „	·22	·15	·13	·16	·23	·18	·20	·12
Noon.	·33	·15	·12	·15	·38	·21	·20	·16
1 P. M.	·21	·11	·10	·17	1·49	·26	·16	·15
2 „	·31	·10			·48	·19	·18	·33
3 „	·60	·10	·10		3·28	·23	·19	·35
4 „	·49		·10	·10	1·65	·25	·19	·36
5 „	·44	·10	·10	·10	·96	·40	·19	·27
6 „	·42	·10	3·15	6·20	3·20	·43	·21	·27
7 „	·42	·17	0·10		·17	·17	·25	·30
8 „	·39	·10	·10	0·20	2·44	·40	·35	·30
9 „	·26	·10	·10	·25	1·91	·22	·31	·26
10 „	·22	·10		·80	·74	·32	·33	·27
11 „	·19	·08		·66	0·48	·33	·32	·25

The sums of the columns of each direction in the Table CXXXVII. of wind, as given in the following table, as well as the duration of each wind during the whole year, are marked opposite to each wind. From the Table CXXXVIII. the mean force of wind is obtained by dividing the force of wind by the time of the duration of each wind; the mean force is further resolved into their components by the usual rules of Mechanics.

TABLE CXL.

Direction of Wind.	The whole recorded Force during the Year.	Duration of each Wind.	Mean Force of each Wind.	Resolved Force in the Direction of			
				N.	E.	S.	W.
	lbs.	Hours.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	162·00	649·5	0·2494	0·2494			
NE.	56·45	375·0	·1505	·1065	0·1065		
E.	26·10	164·5	·1590		·1590		
SE.	53·60	199·5	·2687		·1900	0·1900	
S.	226·60	261·0	·8682			·8682	
SW.	169·05	615·5	·2746			·1942	0·1942
W.	375·50	1577·0	·2381				·2381
NW.	436·30	1536·5	·2839	·2007			·2007

This Table shows that the force of NW. wind, as in the Table above, is nearly coincident with the preceding year's results; the next in order were W. and S. The duration of westerly wind exceeded all the other winds; next in order was NW.; the third in order were SE., SW., and NW. The greatest mean force of wind was recorded under southerly wind; next in order were SE., SW., and NW.

Now, supposing the force of each wind to be equal to one another, and measuring the preponderance of the one over the other by the time of duration only, we shall get, by the composition of forces (described in the preceding volumes), the angle between the resultant and the meridian to be equal to 6°20′4 west of the meridian.

Assuming the sum of hours of duration equal to unity, we have the relative prevalence of westerly wind over all the others in the rate of $\frac{136}{1000}$.

The eight cardinal points resolved into their component forces, or into the cardinal points between which they lie, give the following results :—

Mean force due to N. is equal to 0·5566 lbs.
" S. " 1·2524
" E. " 0·4555
" W. " 0·6330

TABLE CXLI.—*Showing, for each Month, the Sums of the Forces of Wind independent of the Direction, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Monthly Sums of Forces.	Difference from the Mean of the Year.	FOR SEASONS.	
	lbs.	lbs.		lbs.
January	79·10	−45·50	Sum of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ...	527·00
February	126·50	1·00		
March	105·60	−19·90		
April	157·20	31·70	Sum of { Apr. May, June, / July, Aug. Sept. } or Summer..	978·60
May.....	225·00	99·50		
June.....	202·30	76·80	Sum for the whole year	1505·60
July.....	194·50	69·00		
August.....	130·50	5·00		
September	69·10	−56·40	Greatest monthly sum, in May	225·00
October	63·90	−61·60	Least monthly sum, in December	70·80
November	81·10	−44·40		
December.....	70·80	−54·70	Difference	154·20

TABLE CXLII.—*Showing, for each Month, the Number of Hours during which the Wind was blowing with a Force greater than* 0·1 *of a pound, and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Duration of Wind.	Difference from the Mean of the Year.	FOR SEASONS.	
	H.	H.		H.
January	434	−14	Sum of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter....	23·86
February.....	427	−21		
March.....	367	−81		
April	499	51	Sum of { Apr. May, June, / July, Aug. Sept. } or Summer ..	29·92
May.....	445	− 3		
June	532	84	Sum for the whole year ..	53·78
July.....	611	163		
August.....	517	69		
September	388	−60	Greatest monthly sum, in July	6·11
October	365	−83	Least monthly sum, in December	3·53
November	440	− 8		
December	353	−95	Difference.....	2·58

TABLE CXLIII.—*Showing Sums of the Forces of Wind, independently of Direction, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Midnight.	1·3	2·9	2·6	6·6	4·1	9·8	10·1	5·9	4·1	1·2	2·4	1·4	Midnight.
1 A. M.	1·6	1·7	1·7	6·7	8·6	9·7	5·9	3·6	1·7	1·2	0·4	1·5	1 A. M.
2 „	1·6	2·6	2·9	4·7	7·5	8·0	7·9	4·2	3·0	1·5	0·7	1·3	2 „
3 „	2·6	3·4	2·3	2·3	4·5	17·7	7·9	5·2	2·2	1·4	1·1	1·7	3 „
4 „	3·0	2·7	1·3	2·0	3·7	6·8	6·3	4·7	2·8	1·0	1·8	1·6	4 „
5 „	1·8	1·7	1·1	1·3	1·6	7·7	9·8	5·6	3·3	1·0	1·4	1·5	5 „
6 „	1·7	1·3	1·6	1·5	0·9	4·9	11·5	6·4	2·7	0·8	2·4	1·5	6 „
7 „	1·2	1·1	1·4	1·8	0·9	4·7	9·2	4·8	2·5	1·3	2·7	1·2	7 „
8 „	1·4	1·3	1·5	1·8	1·3	4·5	9·7	4·1	2·9	1·5	2·8	1·6	8 „
9 „	3·9	5·2	2·0	3·2	2·2	4·5	8·4	4·7	4·1	2·6	5·1	2·9	9 „
10 „	4·8	5·4	1·7	4·4	2·7	3·6	8·9	4·6	3·5	2·2	4·8	2·8	10 „
11 „	3·1	4·5	3·3	4·8	4·2	4·0	8·0	3·9	4·0	3·0	3·6	2·5	11 „
Noon.	3·2	6·7	5·2	8·6	5·3	6·4	7·2	5·3	4·8	4·7	4·7	1·8	Noon.
1 P. M.	3·2	5·3	6·9	9·1	10·2	11·6	4·6	3·3	3·0	5·1	3·3	3·6	1 P. M.
2 „	5·1	7·9	8·8	11·9	12·0	9·2	4·2	3·9	2·7	6·1	4·4	5·8	2 „
3 „	5·2	10·1	9·5	12·2	20·0	14·4	5·5	4·1	2·5	7·6	5·2	6·5	3 „
4 „	5·2	11·1	9·4	10·9	17·3	10·1	4·7	4·1	2·4	6·7	6·1	7·6	4 „
5 „	4·8	8·1	9·3	10·1	16·2	8·6	7·2	5·4	2·2	3·5	4·8	5·6	5 „
6 „	5·2	8·8	7·7	8·9	27·6	11·6	10·1	5·5	2·6	3·7	5·4	5·2	6 „
7 „	5·2	12·8	7·4	10·1	22·0	9·2	9·3	4·8	1·8	3·0	5·6	5·9	7 „
8 „	5·1	9·5	6·9	10·0	16·0	13·9	11·4	9·0	1·6	2·0	5·2	3·9	8 „
9 „	4·9	6·0	3·9	7·2	16·7	7·7	9·4	6·9	3·2	1·2	3·6	2·0	9 „
10 „	2·5	3·4	3·6	9·5	12·3	8·7	9·3	9·7	2·7	1·1	2·1	0·7	10 „
11 „	1·5	2·9	3·6	7·6	7·2	5·0	8·0	10·8	2·8	0·5	1·5	0·7	11 „

TABLE CXLIV.—*Showing, for each Hour in each Month, the Duration of Wind when the Force was greater than 0·1 of a pound.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	
Midnight.	10	11	11	18	17	22	26	23	14	9	15	4	Midnight.
1 A. M.	13	9	9	16	14	22	21	21	10	8	3	6	1 A. M.
2 „	13	12	11	15	14	22	21	21	9	8	7	8	2 „
3 „	21	17	8	10	13	20	19	21	11	7	8	6	3 „
4 „	16	17	8	10	12	21	24	22	13	6	12	9	4 „
5 „	14	13	9	10	10	21	24	20	10	6	11	10	5 „
6 „	15	12	12	14	8	20	26	18	15	8	18	12	6 „
7 „	11	11	9	18	8	21	26	19	14	13	20	10	7 „
8 „	13	13	12	17	11	23	26	20	15	15	22	14	8 „
9 „	18	23	16	23	19	25	26	21	22	18	24	21	9 „
10 „	23	24	14	26	21	24	27	21	21	19	22	22	10 „
11 „	19	21	19	26	23	22	27	23	17	22	20	19	11 „
Noon.	17	21	23	26	26	25	27	22	23	25	25	12	Noon.
1 P. M.	20	24	24	26	26	24	27	22	23	24	23	20	1 P. M.
2 „	25	25	24	26	26	22	27	25	22	25	25	26	2 „
3 „	27	25	22	26	26	24	27	26	21	25	26	25	3 „
4 „	27	24	23	26	25	24	26	26	20	25	26	25	4 „
5 „	25	24	23	26	24	22	24	25	18	24	26	22	5 „
6 „	23	21	22	25	24	23	26	23	18	21	25	22	6 „
7 „	22	23	18	23	23	22	27	18	16	18	24	19	7 „
8 „	19	18	15	21	21	19	28	17	13	13	22	17	8 „
6 „	18	16	14	23	20	22	26	20	15	11	12	13	9 „
10 „	14	11	10	24	18	22	26	20	15	10	12	7	10 „
11 „	11	12	11	24	16	20	27	23	13	5	12	4	11 „

TABLE CXLV.—*Showing, for the Year* 1856, *the Sum of the Forces of Wind independent of the Direction, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	The Sums of Forces of Wind.	Difference from the Mean of the Whole.
	lbs.	lbs.
Midnight.	52·4	−10·3
1 A. M.	44·3	−18·4
2 „	45·9	−16·8
3 „	52·3	−10·4
4 „	37·7	−25·0
5 „	37·8	−24·9
6 „	37·2	−25·5
7 „	32·8	−29·9
8 „	34·4	−28·3
9 „	48·8	−13·9
10 „	49·4	−13·3
11 „	48·9	−13·8
Noon.	63·9	1·2
1 P. M.	69·2	6·5
2 „	82·0	19·3
3 „	102·8	40·1
4 „	95·7	33·0
5 „	85·8	23·1
6 „	102·3	39·6
7 „	97·1	34·4
8 „	94·5	31·8
9 „	72·7	10·0
10 „	65·6	2·9
11 „	52·1	−10·6

FOR DAY AND NIGHT.

	lbs.
Sum of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night	754·7
Sum of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	750·9
Sum	1505·6
Mean	62·7

TIMES OF GREATEST AND LEAST SUMS.

Greatest sum at about 3 and 6 P. M.
Least sum at about 7 A. M.

TABLE CXLVI.—*Showing, for the Year* 1856, *the Sums of the Hours of Duration of Wind, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	The Sums of the Hours of Duration.	Difference from the Mean of the Whole.
	H.	H.
Midnight.	180	−44
1 A. M.	152	−72
2 „	161	−63
3 „	161	−63
4 „	170	−54
5 „	158	−66
6 „	178	−46
7 „	180	−44
8 „	201	−23
9 „	256	32
10 „	264	40
11 „	258	34
Noon.	272	48
1 P. M.	283	59
2 „	298	74
3 „	300	76
4 „	297	73
5 „	283	59
6 „	273	49
7 „	253	29
8 „	223	−01
9 „	210	−14
10 „	189	−35
11 „	178	−46

FOR DAY AND NIGHT.

	H.
Sum of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night ..	2308
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	3062
Sum	5370
Mean	224

TIMES OF GREATEST AND LEAST SUMS.

Greatest sum at about 3 P. M.
Least sum at about 1 A. M.

In order to find out the mean value of the wind's force, we have made the following arrangements. The daily sums of forces are divided by 24 hours, the hourly sums are divided by the number of days of observation in each month, to calculate the mean daily and hourly force of wind, independent of the direction in which it blew.

TABLE CXLVII.—*Mean Force of Wind, independent of its Various Directions, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
1	0·20	0·22	0·26	0·60	0·07	2·64	0·22	0·48		0·09	0·10	
2	·16	·05		·12	·07		·22	·62	0·49	·08		0·13
3	·07		·05	·15	·07	1·23	·13		·27	·04	·09	·24
4	·08	·41	·07	·22		0·37	·10	·34	·12	·07	·07	·08
5	·15	·14	·11	·52	·04	·22	·20	·31	·06		·08	·07
6		·12	·08		·10	·08		·25	·05	·07	·15	·25
7	·09	·10	·19	·21	·06	·06	·16	·15		·06	·07	
8	·07	·12	·12	·12	·07		·13	·19	·06	·03	·06	·33
9	·14	·08		·06	·09	·35	·13	·14	·08	·08		·12
10	·06		·08	·42	·10	·47	·16		·05	·05	·18	·19
11	·10	·05	·09	·51		·21	·31	·20	·05	·09	·12	·14
12	·06	·10	·09	·45	·17	·16	·15	·09	·07		·15	·06
13		·13	·31		·12	·15		·06	·06	·08	·18	·08
14	·20	·43	·10	·18	·14	·14	·10	·07		·11	·17	
15	·13	·30	·14	·12	·12		·14		·13	·12	·19	·19
16	·15	·15		·08	·10	·24	·34	·24	·18	·27		·13
17	·17		·30	·18	·09	·36	·33		·13	·18	·08	·04
18	·22	·15	·80	·49		·12	·38	·20	·19	·22	·13	·09
19	·20	·26	·13	·28	·42	·11	·44	·12	·23		·15	·04
20		·12	·07		·35	·12		·16	·18	·07	·21	·14
21	·10	·09		·09	·36	·22	·56	·08		·07	·21	
22	·09	·39		·11	·08		·61	·12	·06	·09	·10	·03
23	·06	·63		·31	·11	·10	·69	·09	·04	·06		·08
24	·02	·13	·09	·41		·12	·56		·02	·07	·12	·14
25	·11		·15	·20		·22	·23	·09	·07	·11	·07	·10
26	·23	·37	·22	·21	·08	·28	·20	·05	·05		·13	·07
27		·31	·22		·07	·15		·08	·10		·23	
28	·07	·09	·10	·15	·32	·09	1·01	·03		·06	·23	
29	·05	·25	·24	·16	·58		0·28	·04	·04	·14	·10	·06
30	·11			·21	3·08	·07	·15	·24	·05	·24	·05	·09
31	·20		·41		2·74		·17	1·12		·07		·05

TABLE CXLVIII.—*Showing, for each Month, the Mean Force of Wind, independent of its Various Directions, and its Periodic Changes from the Mean of the Year, as obtained partly by Lynd's Gauge Observations and partly by Estimation.*

Months, 1856.	Mean Force of Wind.	Difference from the Mean of the Year.
	lbs.	lbs.
January	0·12	−0·08
February	·21	·01
March	·18	− ·02
April	·25	·05
May	·37	·17
June	·33	·13
July	·30	·10
August	·21	·01
September	·11	− ·09
October	·10	− ·10
November	·13	− ·07
December	·12	− ·08

FOR SEASONS.	lbs.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	0·14
Mean of { Apr. May, June, July, Aug. Sept. } or Summer	0·26
Mean of the year	0·20
Greatest monthly mean, in May	0·37
Least monthly mean, in October	0·10
Difference	0·27

TABLE CXLIX.—*Mean Force of Wind, independent of its various Directions, in each Month, for each Hour of Bombay Civil Time, as obtained by dividing the Numbers in Table* CXXXVII. *by the Number of Days on which the Observations were taken.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Midnight.	0·05	0·12	0·11	0·25	0·16	0·39	0·37	0·23	0·16	0·05	0·09	0·06	Midnight.
1 A. M.	·06	·07	·07	·26	·33	·39	·22	·14	·07	·05	·01	·06	1 A. M.
2 „	·06	·09	·12	·18	·29	·32	·22	·16	·12	·06	·03	·05	2 „
3 „	·09	·14	·10	·09	·17	·69	·29	·20	·09	·05	·04	·07	3 „
4 „	·11	·11	·05	·08	·14	·27	·23	·18	·11	·04	·07	·06	4 „
5 „	·07	·07	·04	·05	·06	·31	·36	·22	·13	·04	·05	·06	5 „
6 „	·06	·05	·07	·06	·03	·20	·43	·24	·11	·03	·09	·06	6 „
7 „	·04	·04	·05	·07	·03	·19	·34	·18	·10	·05	·10	·05	7 „
8 „	·05	·05	·07	·07	·05	·19	·36	·16	·12	·06	·10	·06	8 „
9 „	·15	·21	·07	·12	·09	·18	·31	·18	·16	·10	·21	·12	9 „
10 „	·18	·22	·07	·17	·10	·14	·33	·18	·14	·09	·19	·11	10 „
11 „	·12	·18	·13	·19	·02	·16	·30	·15	·16	·11	·14	·11	11 „
Noon.	·11	·27	·21	·33	·02	·26	·27	·21	·19	·18	·18	·07	Noon.
1 P. M.	·12	·21	·28	·35	·39	·46	·17	·13	·12	·20	·13	·14	1 P. M.
2 „	·19	·32	·37	·46	·46	·37	·16	·15	·11	·23	·17	·23	2 „
3 „	·19	·40	·40	·47	·77	·58	·21	·16	·10	·30	·20	·26	3 „
4 „	·20	·45	·39	·42	·65	·40	·17	·18	·10	·25	·23	·30	4 „
5 „	·18	·34	·39	·39	·63	·34	·27	·21	·09	·13	·18	·22	5 „
6 „	·20	·39	·32	·34	·83	·46	·38	·21	·10	·14	·21	·21	6 „
7 „	·19	·51	·31	·39	·84	·37	·34	·18	·07	·11	·22	·24	7 „
8 „	·19	·33	·29	·38	·62	·56	·35	·35	·06	·07	·20	·16	8 „
9 „	·18	·24	·16	·28	·85	·31	·35	·27	·13	·05	·14	·08	9 „
10 „	·09	·13	·15	·37	·47	·35	·34	·37	·11	·04	·08	·03	10 „
11 „	·05	·12	·16	·30	·28	·20	·30	·49	·11	·02	·06	·03	11 „

TABLE CL.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Force of Wind in Table* CXLIX., *in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lbs.	lbs.	lbs.	H.	H.
January	0·20	0·04	0·16	2 & 6 P. M.	7 A. M.
February	·51	·04	·47	7 „	7 „
March	·40	·04	·36	3 „	5 „
April	·47	·05	·42	3 „	5 „
May.....	·84	·03	·81	7 „	6 & 7 „
June.....	·58	·14	·44	3 „	10 „
July.....	·43	·16	·27	6 A. M.	2 P. M.
August.....	·49	·13	·36	Midnight.	1 „
September	·19	·06	·13	Noon.	8 „
October	·30	·02	·28	3 P. M.	11 „
November	·23	·01	·22	4 „	1 A. M.
December.....	·30	·03	·27	4 „	10 & 11 P. M.

It appears from this Table that the times of maxima and minima of wind's force are more regular in Winter than in Summer; minimum and maximum force occur in the morning and evening in Winter, but the case is contrary in Summer.

TABLE CLI.—*Showing, for the Year* 1856, *the Mean Force of Wind for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Force of Wind in Winter.	Force of Wind in Summer.	Annual Mean.
	lb.	lb.	lb.
Midnight.	0·08	0·26	0·17
1 A. M.	·05	·23	·14
2 „	·07	·21	·14
3 „	·08	·25	·16
4 „	·07	·17	·12
5 „	·05	·19	·12
6 „	·06	·18	·12
7 „	·05	·15	·10
8 „	·07	·16	·11
9 „	·14	·17	·15
10 „	·14	·18	·16
11 „	·13	·16	·15
Noon.	·17	·21	·19
1 P. M.	·18	·27	·22
2 „	·25	·28	·26
3 „	·29	·38	·33
4 „	·30	·32	·31
5 „	·24	·32	·28
6 „	·24	·39	·31
7 „	·26	·36	·31
8 „	·21	·39	·30
9 „	·14	·36	·25
10 „	·09	·33	·21
11 „	·07	·28	·13

FOR DAY AND NIGHT.

	Winter.	Summer.
	lb.	lb.
Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night..	0·12	0·26
Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..	0·17	0·23
Mean	0·20	

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.
A maximum at about 4 P. M.
A minimum in the morning.

Summer.
A maximum at about sunset.
A minimum at about sunrise.

TABLE CLII.—*Excess of the Mean Hourly Force of Wind in Table* CXLIX. *above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Bombay Civil Time.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Midnight.	–0·07	–0·09	–0·07		–0·21	0·06	0·07	0·02	0·05	–0·05	–0·04	–0·06	Midnight.
1 A. M.	– ·06	– ·14	– ·11	0·01	– ·04	·06	– ·08	– ·07	– ·04	– ·05	– ·12	– ·06	1 A. M.
2 „	– ·06	– 12	– ·06	– ·07	– ·08	– ·01	– ·08	– ·05	·01	– ·04	– ·10	– ·07	2 „
3 „	– ·03	– ·07	– ·08	– ·16	– ·20	·36	– ·01	– ·01	– ·02	– ·05	– ·09	– ·05	3 „
4 „	– ·01	– ·10	– ·13	– ·17	– ·23	– ·06	– ·07	– ·03		– ·06	– ·06	– ·06	4 „
5 „	– ·05	– ·14	– ·14	– ·20	– ·31	– ·02	.06	·01	·02	– ·06	– ·08	– ·06	5 „
6 „	– ·06	– ·16	– ·11	– ·19	– ·34	– ·13	·13	·03		– ·07	– ·04	– ·06	6 „
7 „	– ·08	– ·12	– ·13	– ·18	– ·34	– ·14	·04	– ·03	– ·01	– ·05	– ·03	– ·07	7 „
8 „	– ·07	– ·16	– ·11	– ·18	– ·32	– ·14	·06	– ·05	·01	– ·04	– ·03	– ·06	8 „
9 „	·03		– ·11	– ·13	– ·28	– ·15	·01	– ·03	·05		·08		9 „
10 „	·06	·01	– ·11	– ·08	– ·27	– ·19	·03	– ·03	·03	– ·01	·06	– ·01	10 „
11 „		– ·03	– ·05	·06	– ·35	– ·17		– ·06	·05	·01	·01	– ·01	11 „
Noon.	– ·01	·06	·03	·08	– ·35	– ·07	– ·03		·08	·08	·05	– ·05	Noon.
1 P. M.			·10	·10	·02	·13	– ·13	– ·08	·01	·10		·02	1 P. M.
2 „	·07	·11	·19	·21	·09	·04	– ·14	– ·06		·13	·04	·11	2 „
3 „	·07	·19	·22	·22	·40	·25	– ·09	– ·05	– ·01	·20	·07	·14	3 „
4 „	·08	·24	·21	·17	·28	·07	– ·13	– ·03	– ·01	·15	·10	·18	4 „
5 „	·06	·13	·21	·14	·26	·01	– ·03		– ·02	·03	·05	·10	5 „
6 „	·08	·18	·14	·09	·46	·13	·08		– ·01	·04	·08	·09	6 „
7 „	·07	·30	·13	·14	·47	·04	·04	– ·03	– ·04	·01	·09	·12	7 „
8 „	·07	·12	·11	·13	·25	·23	·05	·14	– ·05	– ·03	·07	·04	8 „
9 „	·06	·03	– ·02	·03	·48	– ·02	·05	·06	·02	– ·05	·01	– ·04	9 „
10 „	– ·03	– ·08	– ·03	·12	·10	·02	·04	·16		– ·06	– ·05	– ·09	10 „
11 „	– ·07	– ·09	– ·02	·05	– ·09	– ·13		·28		– ·08	– ·07	– ·09	11 „

TABLE CLIII.—*Mean Azimuth of Wind, from Osler's Anemometer, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	+ 39°	+ 14°	- 15°	- 18°	- 92°	-185°	⊙	-105°	- 90°	-203°	⊙	- 1°
2	+ 38	+165	- 29	⊙	- 86	-165	-213	-112	-109	-154	- 11	- 1
3	- 19	⊙	⊙	-132	- 86	-167	⊙	- 99	-113	⊙	-124	- 21
4	+ 1	+ 39	⊙	-107	- 97	-189	-100	- 84	- 93	- 9	- 88	- 20
5	+ 7	- 4	⊙	- 21	- 78	-158	-140	- 85	- 91	- 15	⊙	⊙
6	+ 6	+ 5	- 49	- 21	- 46	-112	-124	- 77	- 83	- 34	- 27	+ 5
7	+ 15	-*179	- 34	- 29	-100	⊙	-111	- 89	- 78	⊙	- 21	+ 11
8	+ 7	-*174	-143	⊙	-114	-147	-101	- 96	- 66	⊙	+ 8	+ 5
9	+ 17	-127	⊙	- 81	- 88	- 69	-129	-120	⊙	- 9	+ 18	+ 0
10	+ 5	+ 26	-134	- 54	- 68	- 60	-115	-124	- 68	*134	- 15	+ 2
11	+ 19	⊙	-141	- 23	- 37	- 96	- 92	-119	- 92	-137	- 15	+ 17
12	+ 7	- 4	-107	- 31	- 35	-103	- 87	-100	⊙	⊙	- 10	- 32
13	+ 10	- 26	+ 5	- 62	- 34	-107	- 73	- 84	⊙	-151	- 1	⊙
14	+ 17	- 21	⊙	-133	- 41	-106	* 4	- 96	- 51	- 7	+ 0	- 26
15	+ 13	- 19	-155	-133	- 49	-118	-120	- 65	- 68	- 18	- 11	- 47
16	+ 20	- 24	- 93	- 94	- 73	-123	-102	- 90	- 78	- 24	+ 7	- 18
17	- 4	- 26	- 16	⊙	- 69	-119	-108	-121	- 79	- 30	- 15	- 23
18	- 18	+ 15	- 31	- 19	- 33	-106	-115	-132	- 80	- 36	- 11	- 21
19	- 3	- 4	- 25	⊙	- 10	-103	-111	- 89	- 69	- 33	- 19	- 21
20	⊙	- 3	- 31	- 42	- 51	- 95	- 99	- 94	- 75	- 30	+ 2	- 46
21	⊙	+ 10	⊙	- 54	⊙	- 70	- 90	-102	- 83	- 27	+ 10	- 31
22	* 15	- 0	- 9	- 55	⊙	- 65	-104	-107	- 49	- 45	- 25	⊙
23	+ 32	+ 2	- 43	- 37	- 84	- 93	- 88	-118	⊙	- 27	+*144	+ 4
24	⊙	- 18	⊙	- 37	-107	-123	- 90	⊙	-145	- 25	⊙	- 4
25	⊙	- 12	- 27	⊙	- 96	-109	-114	- 72	⊙	- 26	- 26	- 13
26	- 8	- 15	- 10	-113	-102	-120	-107	- 82	- 8	⊙	- 17	- 22
27	- 11	- 25	- 23	- 89	- 97	-136	- 96	-119	- 12	⊙	- 22	+ 3
28	⊙	- 36	⊙	- 78	-156	-141	-103	⊙	+ 29	- 20	- 17	- 32
29	-*131	- 26	⊙	- 62	-178	-127	- 93	⊙	+ 64	- 3	- 3	- 8
30	⊙		- 33	⊙	-188	⊙	-105	- 92	⊙	- 29	- 32	- 11
31	21		- 24		-194		- 90	*103		- 16		- 25

⊙ Circular days. * Abnormal days.

TABLE CLIV.—*Showing, for each Month, the Mean Azimuth of Wind, as obtained from Osler's Anemometer, and its Mean Direction.*

Months, 1856.	Mean Monthly Azimuth of Wind.	Monthly Mean Direction of Wind.	FOR SEASONS.
January	+ 8°	N. b E.	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter. -18° NNW.
February	- 5	N.	
March	- 33	NW. b N.	Mean of {Apr. May, June, July, Aug. Sept.} or Summer. -90 W.
April	- 64	WNW.	
May	- 86	W.	Mean of the year .. -54 NW. b W.
June	-118	WSW.	
July	-104	W. b S.	
August	- 99	"	
September	- 66	WNW.	Greatest monthly mean, in June .... -118
October	- 46	NW.	Least monthly mean, in January .... + 8
November	- 18	NNW.	
December	- 13	N. b W.	Difference .. 126

TABLE CLV.—*Mean Azimuth of Wind, as obtained from Osler's Anemometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	+18°	-12°	-39°	-59°	- 88°	-129°	-107°	-105°	-60°	-67°	-24°	-28°	Midnight.
1 A. M.	+18	-10	-39	-58	- 90	-129	-107	-103	-65	-59	- 9	-21	1 A. M.
2 „	+19	- 3	-36	-57	- 90	-129	-110	- 99	-65	-53	- 5	-16	2 „
3 „	+20	- 2	-33	-56	- 92	-123	-108	- 99	-65	-47	+ 1	-10	3 „
4 „	+23	+ 3	-28	-55	- 89	-129	-108	- 98	-69	-43	+11	- 5	4 „
5 „	+29	+ 8	-11	-56	- 89	-126	- 95	- 97	-72	-38	+ 8	+ 9	5 „
6 „	+34	+10	- 9	-54	- 89	-124	-101	- 93	-74	-34	+ 7	+16	6 „
7 „	+39	+14	+ 1	-54	- 85	-125	-101	- 94	-71	-30	+10	+15	7 „
8 „	+50	+18	- 7	-61	- 94	-120	-104	- 93	-67	-17	+11	+25	8 „
9 „	+58	+30	+ 4	-83	- 96	-115	-106	-107	-63	- 4	+17	+35	9 „
10 „	+57	+30	-16	-93	- 87	-116	-105	-106	-66	- 8	+17	+40	10 „
11 „	+55	+24	-29	-86	- 83	-115	-105	- 98	-69	-42	+15	+37	11 „
Noon.	+36	- 9	-45	-79	- 82	-113	-112	- 94	-80	-75	+ 2	+24	Noon.
1 P. M.	+23	-34	-54	-76	- 84	-110	-100	- 96	-74	-70	-32	-16	1 P. M.
2 „	+30	-32	-57	-71	- 81	-112	-101	- 95	-68	-69	-51	-44	2 „
3 „	-33	-28	-57	-69	- 77	-107	- 98	- 95	-68	-63	-66	-55	3 „
4 „	-36	-27	-44	-67	- 76	-108	-101	- 96	-63	-60	-63	-52	4 „
5 „	-32	-21	-43	-62	- 74	-109	-103	- 95	-70	-58	-56	-45	5 „
6 „	-29	-18	-41	-57	- 72	-109	-103	- 99	-70	-53	-49	-46	6 „
7 „	-23	-16	-43	-54	- 75	-112	-111	- 98	-62	-49	-41	-43	7 „
8 „	-20	-15	-41	-52	- 77	-117	-111	-101	-59	-49	-39	-39	8 „
9 „	-17	-11	-38	-52	- 90	-121	-109	-102	-57	-43	-34	-36	9 „
10 „	-10	- 9	-34	-52	- 97	-121	-111	- 98	-59	-41	-33	-33	10 „
11 „	- 5	- 6	-42	-53	-100	-120	-111	-103	-53	-36	-32	-32	11 „

TABLE CLVI.—*Mean Direction of Wind, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	NNE	N b W	NW b N	NW b W	W	SW b W	W b S	W b S	NW b W	WNW	NNW	NNW	Midnight.
1 A. M.	„	„	„	„	„	„	„	„	WNW	NW b W	N b W	„	1 A. M.
2 „	„	N	„	„	„	„	WSW	„	„	„	N	N b W	2 „
3 „	„	„	„	„	„	„	„	„	„	NW	„	„	3 „
4 „	„	„	NNW	„	„	„	„	„	„	„	N b E	N	4 „
5 „	NE b N	N b E	N b W	„	„	„	W	„	„	NW b N	„	N b E	5 „
6 „	„	„	„	„	„	„	W b S	W	W b N	„	„	„	6 „
7 „	„	„	N	„	„	„	„	„	WNW	„	„	„	7 „
8 „	NE	NNE	N b W	„	„	„	„	„	„	N b W	„	NNE	8 „
9 „	NE b E	NE b N	N	W b N	„	WSW	„	W b S	„	N	NNE	NE b N	9 „
10 „	„	„	N b W	W	„	„	„	„	„	N b W	„	NE	10 „
11 „	„	NNE	NNW	„	W b N	„	„	W b S	„	NW	N b E	NE b N	11 „
Noon.	NE b N	N b W	NW	W b N	„	„	WSW	W	W b N	W b N	N	NNE	Noon.
1 P. M.	NNE	NW b N	NW b W	„	„	„	W b S	W b S	„	WNW	NW b N	N b W	1 P. M.
2 „	NE b N	„	„	WNW	„	„	„	W	WNW	„	NW b W	NW	2 „
3 „	NW b N	NNW	„	„	„	„	„	„	„	„	WNW	NW b W	3 „
4 „	„	„	NW	„	„	„	„	W b S	„	NW b W	„	„	4 „
5 „	„	„	„	„	„	„	„	W	„	„	NW b W	NW	5 „
6 „	„	„	„	NW b W	WNW	„	WSW	W b S	„	„	NW	„	6 „
7 „	NNW	N b W	„	„	„	„	„	„	NW b W	NW	„	„	7 „
8 „	„	„	„	„	W b N	„	„	„	„	„	NW b N	NW b N	8 „
9 „	„	„	NW b N	„	W	SW b W	„	„	„	„	„	„	9 „
10 „	N b W	„	„	„	W b S	„	„	„	„	„	„	„	10 „
11 „	„	„	NW	„	„	„	„	„	„	NW b N	„	„	11 „

TABLE CLVII.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Azimuth of Wind, in each Month, was at its Least and Greatest Westerly Value.*

Months, 1856.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was at its	
	Least Westerly.	Greatest Westerly.		Least Westerly.	Greatest Westerly.
				H.	H.
January	58°	– 36°	–94°	9 A. M.	4 P. M.
February	30	– 34	–64	10 „	1 „
March	4	– 57	–61	9 „	3 „
April	– 52	– 93	–41	9 P. M.	10 A. M.
May	– 72	–100	–28	6 „	11 P. M.
June	–107	–129	–22	3 „	2 A. M.
July	– 98	–112	–14	3 „	Noon.
August	– 93	–107	–14	8 A. M.	9 A. M.
September	– 53	– 80	–27	11 P. M.	Noon.
October	– 4	– 75	–71	9 A. M.	Noon.
November	17	– 66	–83	10 „	3 P. M.
December.....	40	– 55	–95	10 „	3 „

TABLE CLVIII.—*Showing, for the Year* 1856, *the Mean Azimuth of Wind for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.
	Winter.	Summer.	
Midnight.	–25°	–91°	–58°
1 A. M.	–20	–92	–56
2 „	–16	–92	–54
3 „	–12	–90	–51
4 „	– 7	–91	–49
5 „	1	–89	–44
6 „	4	–89	–42
7 „	8	–88	–40
8 „	17	–90	–37
9 „	23	–95	–36
10 „	20	–95	–37
11 „	10	–93	–42
Noon.	–11	–93	–52
1 P. M.	–30	–90	–60
2 „	–38	–88	–63
3 „	–50	–86	–68
4 „	–47	–85	–66
5 „	–42	–85	–63
6 „	–39	–86	–63
7 „	–36	–85	–60
8 „	–34	–86	–60
9 „	–30	–88	–59
10 „	–27	–90	–59
11 „	–25	–90	–58

FOR DAY AND NIGHT.

	Winter.	Summer.
Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night....	–22°	–89°
Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day	–11	–89
Mean.....	–53°	

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.

Most easterly Azimuth at about 9 A. M.
Most westerly Azimuth at about 3 P. M.

Summer.

Most westerly Azimuth at about 10 A. M.
Least westerly Azimuth at about 4 P. M.

TABLE CLIX.—*Showing, for the Year* 1856, *the Mean Direction of Wind for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Direction of Wind.	
	Winter.	Summer.
Midnight.	NNW	W
1 A. M.	„	„
2 „	N b W	„
3 „	„	„
4 „	„	„
5 „	N	„
6 „	„	„
7 „	N b E	„
8 „	NNE	„
9 „	„	„
10 „	„	„
11 „	N b E	„
Noon.	N b W	„
1 P. M.	NW b N	„
2 „	NNW	„
3 „	NW	„
4 „	„	W b N
5 „	„	„
6 „	NW b N	W
7 „	„	W b N
8 „	„	W
9 „	„	„
10 „	NNW	„
11 „	„	„

FOR DAY AND NIGHT.

	Winter.	Summer.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night..	NNW	W
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day...	N b W	W
Mean....	NW b N	

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.

Most easterly wind at about 9 A. M.
Most westerly wind at about 3 P. M.

Summer.

Most westerly wind at about 10 A. M.
Least westerly wind at about 4 P. M.

TABLE CLX.—*Excess of the Mean Hourly Azimuth of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	10°	- 7°	- 6°	5°	- 2°	-11°	-3°	-6°	6°	-21°	- 6°	-15°	Midnight.
1 A. M.	10	- 5	- 6	6	- 4	-11	-3	-4	1	-13	9	- 8	1 A. M.
2 „	11	2	- 3	7	- 4	-11	-6		1	- 7	13	- 3	2 „
3 „	12	3		8	- 6	- 5	-4		1	- 1	19	3	3 „
4 „	15	8	5	9	- 3	-11	-4	1	- 3	3	29	8	4 „
5 „	21	13	22	8	- 3	- 8	9	2	- 6	8	26	22	5 „
6 „	26	15	24	10	- 3	- 6	3	6	- 8	12	25	29	6 „
7 „	31	19	34	10	1	- 7	3	5	- 5	16	28	28	7 „
8 „	42	23	26	3	- 8	- 2		6	- 1	29	18	38	8 „
9 „	50	35	37	-19	-10	3	-2	-8	3	42	35	48	9 „
10 „	49	35	17	-29	- 1	2	-1	-7		38	35	53	10 „
11 „	47	29	4	-22	3	3	-1	-1	- 3	4	33	50	11 „
Noon.	28	- 4	-12	-15	4	5	-8	5	-14	-29	20	37	Noon.
1 P. M.	-31	-29	-21	-12	2	8	4	3	- 8	-24	-14	- 3	1 P. M.
2 „	-38	-27	-24	- 7	5	6	3	4	- 2	-23	-33	-31	2 „
3 „	-41	-23	-24	- 5	9	11	6	4	- 2	-23	-48	-42	3 „
4 „	-44	-22	-11	- 3	10	10	3	3	3	-14	-45	-39	4 „
5 „	-40	-16	-10	+ 2	12	9	1	4	- 4	-12	-38	-32	5 „
6 „	-37	-13	- 8	7	14	9	-4		- 4	- 7	-21	-33	6 „
7 „	-31	-11	-10	10	11	6	-7	1	4	- 5	-23	-30	7 „
8 „	-28	-10	- 8	12	9	1	-7	-2	7	- 5	-21	-26	8 „
9 „	-25	- 6	- 5	12	- 4	- 3	-5	-3	9	3	-16	-23	9 „
10 „	-18	- 4	- 1	12	-11	- 3	-7	1	7	5	-15	-20	10 „
11 „	-13	- 1	- 9	11	-14	- 2	-7	-4	13	10	-14	-19	11 „

STATE OF THE WEATHER.

The Island of Bombay is so situated that one-half of its horizon is bounded by land and the other half by the sea; from NW. to SE. horizon are the Malabar and other adjacent hills, and the Ghauts far inland; and from SE. to NW. is a perfect sea horizon.

The prevailing clouds of Bombay are as follows:—

Mists and Fogs.—The former have a darkish appearance, while the latter have a whitish one.

Cirrus.—This cloud is the harbinger of the changes which take place in the state of the atmosphere at the beginning or ending of storms.

Cirro-stratus is generally seen in the evening or morning above the horizon; the cloud generally prevails at the time of the meteorological disturbance.

Cirro-cumulus and Cumulo-stratus are all the summer clouds of India; the two last are mostly formed about the beginning and ending of any storm, and generally about the close and setting in of the SW. monsoon.

Nimbus is the prevailing cloud of the rainy season; this cloud, according to circumstances, is formed from the combinations of any varieties of clouds.

The heights of the aforementioned clouds are estimated to be as follows:—

Miles.	
0	—Mists and fogs.
½	—Heavy nimbi, which float landward.
1 to 2	—Dense nimbi and thunder-clouds.
2 to 4	—Varieties of cirro-cumuli, which inosculate into nimbi.
5 to 7	—Lower cirri, which inosculate into nimbi or fleecy clouds.
8 to 11	—Varieties of higher cirri.

TABLE CLXI.—*Mean Portion of Cloudy Sky (the whole Sky being = 8), for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	0·3	0·8	2·5	2·1	2·5	5·4	8·0	7·8	S	6·3	2·5	S
2		0·5	S	0·8	2·6	S	8·0	8·0	7·5	5·2	S	
3		S	5·7	1·3	2·7	7·9	8·0	S	5·3	5·4	3·8	
4			7·4	1·0	S	8·0	7·8	7·8	6·9	2·7	1·7	0·2
5			5·2	0·3	2·5	7·9	8·0	7·9	5·8	S	0·6	
6	S		4·7	S	2·9	6·7	S	7·8	5·5	2·9	1·0	0·1
7	0·5	0·8	2·8	0·2	2·5	7·8	7·4	5·8	S	0·8	2·1	S
8	0·3	1·3	1·5	1·4	1·5	S	6·9	6·6	5·8	6·3	2·2	
9	4·0		S	1·3	1·8	8·0	7·9	6·5	5·4	2·9	S	
10	5·5	S	4·1	0·6	1·9	8·0	7·3	S	4·2	4·2	0·8	
11	6·0		1·3	1·7	S	7·5	6·5	7·6	4·2	7·0		3·3
12	3·3		0·5	3·3	2·7	5·6	6·8	7·8	5·4	S		6·1
13	S	2·1	0·7	S	2·3	6·6	S	5·6	3·5	6·7		1·8
14	5·5	2·3	0·2	2·2	3·4	5·8	8·0	8·0	S	1·6		S
15	4·6	2·0	2·1	1·2	2·7	S	8·0	⊙	7·9			2·8
16	0·3		S	1·0	2·5	6·3	7·9	7·8	8·0	1·1	S	1·3
17		S	0·2		2·8	6·8	7·7	S	6·2	3·0	1·8	0·5
18		1·3	0·8		S	5·7	8·0	7·1	5·1	4·4	1·0	0·7
19	1·5	1·8	0·6	0·1	4·2	6·3	8·0	7·7	8·0	S	2·6	1·8
20	S	6·2		S	6·3	6·3	S	8·0	8·0	1·0	1·6	3·2
21	3·8	4·5	⊙	0·4	7·5	5·3	8·0	7·1	S	1·6	4·2	S
22	0·6	3·9	⊙	0·4	7·5	S	8·0	7·9	7·2	2·5	5·5	1·5
23	4·1	3·5	S	1·7	6·7	4·8	8·0	7·3	3·1	1·4	S	
24	7·6	5·3	2·0	0·5	⊙	5·2	8·0	S	2·5	0·8	0·6	
25	5·3	S	1·6	1·6	S	4·8	7·0	6·0	2·4	0·3	1·0	
26	2·0	6·5	1·5	1·8	6·2	6·7	6·7	5·7	2·5	S	1·9	
27	S	5·2		S	7·5	7·6	S	4·5	6·5	⊙	0·9	⊙
28	3·1	2·6		1·5	5·5	7·0	7·9	5·7	S	0·8		S
29	4·6	1·8		2·8	6·5	S	7·5	6·3	5·5			2·4
30	1·8		S	1·8	7·0	7·5	7·6	6·9	6·8			1·7
31	0·8		0·5		6·5		7·9	7·3		4·0		7·1

The signs ⊙ and S denote the usual holidays and Sundays.

It appears from the last table that out of 307 days there were about 39 instances in which the mean portion of the cloudy sky was less 0·1, or the extent of clouded portion of the sky was less than one-eightieth of the whole sky. The whole number of cloudless days during the year 1856 was twenty-two, the instances in each month are as follows:—

January	4	April	1
February	4	November	6
March	3	December	4

Hence it follows that there were twenty-one cloudless days in Winter, and only one cloudless day in Summer.

TABLE CLXII.—*Showing, for each Month, the Mean Portion of Cloudy Sky (the whole Sky being = 8); and its Periodic Changes from the Mean of the Year.*

Months, 1856.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Year.	FOR SEASONS.	
January	2·4	−1·3	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	2·0
February	2·1	−1·6		
March	1·9	−1·8		
April	1·2	−2·5	Mean of { April, May, June, July, Aug. Sept. } or Summer.	5·4
May	4·1	0·4		
June	6·6	2·9		
July	7·7	4·0	Mean of the Year	3·7
August	7·0	3·3		
September	5·6	1·9	Greatest monthly mean, in July	7·7
October	2·8	−0·9	Least monthly mean, in April	1·2
November	1·4	−2·3		
December	1·4	−2·3	Difference	6·5

TABLE CLXIII.—*Mean Portion of Cloudy Sky (the whole Sky being = 8), in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midnight.	2·0	2·4	1·7	1·4	4·0	6·0	7·4	6·7	4·8	2·5	1·5	1·2	Midnight.
1 A. M.	2·1	1·7	1·8	1·8	4·0	6·0	7·5	7·0	5·3	2·9	1·5	0·8	1 A. M.
2 „	2·3	1·4	2·5	1·2	4·1	5·9	7·5	6·7	6·1	3·0	1·4	0·8	2 „
3 „	1·9	2·0	1·6	1·2	3·8	5·8	7·6	6·6	5·4	2·7	1·4	0·9	3 „
4 „	1·7	2·0	2·0	1·2	3·6	5·8	7·6	6·6	5·7	3·0	1·6	0·8	4 „
5 „	1·9	1·6	2·0	2·1	4·7	6·7	7·7	7·3	5·6	2·5	2·0	0·8	5 „
6 „	2·7	1·6	2·4	2·2	4·8	6·9	8·0	7·3	6·5	3·2	2·4	1·4	6 „
7 „	3·3	2·4	2·7	2·3	5·0	7·0	7·9	7·4	6·7	3·3	1·9	1·8	7 „
8 „	3·0	2·4	2·5	1·9	4·5	6·9	7·7	7·4	6·0	3·0	1·5	1·8	8 „
9 „	2·7	2·4	2·3	1·4	4·6	7·1	7·6	7·3	5·8	2·8	1·5	1·4	9 „
10 „	2·5	2·4	2·1	1·0	4·0	6·6	7·8	7·3	5·8	2·6	1·1	1·2	10 „
11 „	2·4	2·6	1·9	0·8	4·0	7·0	7·7	7·5	6·0	2·5	1·1	1·3	11 „
Noon.	2·6	2·5	2·0	0·9	3·7	7·0	7·8	7·2	5·8	2·6	1·3	1·7	Noon.
1 P. M.	3·0	2·3	2·0	0·5	3·4	7·2	7·7	7·3	5·6	2·6	1·4	1·9	1 P. M.
2 „	2·7	2·4	2·0	0·3	3·4	6·9	7·9	7·0	5·1	2·3	1·4	2·0	2 „
3 „	2·6	2·4	2·1	0·3	3·8	7·1	8·0	6·8	5·3	2·6	1·4	2·0	3 „
4 „	2·4	2·5	2·1	0·6	3·6	7·1	7·9	7·0	5·7	2·8	1·1	2·3	4 „
5 „	2·7	2·3	1·8	1·0	4·4	7·2	7·9	7·3	5·9	2·8	1·5	2·2	5 „
6 „	2·6	2·1	2·0	1·3	4·8	7·0	7·9	7·5	5·6	3·0	1·4	1·6	6 „
7 „	2·4	2·2	1·7	1·2	5·1	6·7	7·6	6·6	5·1	3·1	0·9	1·0	7 „
8 „	2·0	1·8	1·1	0·9	4·6	6·4	7·5	6·5	4·6	3·1	0·9	1·1	8 „
9 „	2·2	1·7	1·2	0·9	4·3	6·3	7·4	7·0	5·3	2·9	0·9	1·2	9 „
10 „	2·1	1·7	1·3	1·2	4·0	6·1	7·3	6·5	5·0	2·8	0·9	1·1	10 „
11 „	2·1	1·8	1·4	1·6	3·8	6·0	7·0	6·6	4·8	3·1	1·0	1·2	11 „

TABLE CLXIV.—*Showing, for the Year* 1856, *the Mean Portion of Cloudy Sky (the whole Sky being* = 8), *for each Hour of Bombay Civil Time; also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Whole.
Midnight.	3·5	− 0·2
1 A. M.	3·5	− 0·2
2 „	3·6	− 0·1
3 „	3·4	− 0·3
4 „	3·5	− 0·2
5 „	3·7	0·0
6 „	4·1	0·4
7 „	4·3	0·6
8 „	4·0	0·3
9 „	3·9	0·2
10 „	3·7	0·0
11 „	3·7	0·0
Noon.	3·8	0·1
1 P. M.	3·7	0·0
2 „	3·6	− 0·1
3 „	3·7	0·0
4 „	3·8	0·1
5 „	3·9	0·2
6 „	3·9	0·2
7 „	3·6	− 0·1
8 „	3·5	− 0·2
9 „	3·4	− 0·3
10 „	3·3	− 0·4
11 „	3·4	− 0·3

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M. } or Night ..... 3·5

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 3·9

Mean ..... 3·7

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum in the morning and evening.
A minimum after and before midnight.

TABLE CLXV.—*Showing, for the Year* 1856, *the Hours of Bombay Civil Time at which the Mean Portion of the Cloudy Sky (the whole Sky being* = 8 *parts), in each Month, was at its Maximum and Minimum.*

Months, 1856.	The Mean Hourly Portion of Cloudy Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Portion of Cloudy Sky was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	3·3	1·7	1·6	7 A. M.	4 A. M.
February	2·6	1·4	1·2	11 „	2 „
March	2·7	1·1	1·6	7 „	8 P. M.
April	2·3	0·3	2·0	7 „	3 „
May	5·1	3·4	1·7	7 P. M.	2 „
June	7·2	5·8	1·4	1 & 5 „	4 „
July	8·0	7·0	1·0	{ 6 A. M. / 3 P. M. }	11 P. M.
August	7·5	6·5	1·0	{ 11 A. M. / 6 P. M. }	8 & 10 „
September	6·7	4·6	2·1	7 A. M.	8 „
October	3·3	2·3	1·0	7 „	2 „
November	2·4	0·9	1·5	6 „	9 „
December	2·3	0·8	1·5	4 P. M.	1·2 & 4·5 A.M.

In Winter the times of maxima generally occur in the morning, and the times of minima after sunset; in Summer the times of maxima and minima are quite uncertain.

TABLE CLXVI.—*Fall of Rain, as measured by Newman's Rain Gauge, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		in.
1						0·78	0·78	0·16	0·24			
2						0·90	3·76	0·33	0·01	0·06		
3						2·42	3·50	0·34	0·07			
4						0·12	0·42	0·11	0·01			
5						2·06	1·43	0·14	0·01			
6						0·21	1·00	1·07	0·05			
7						0·38	0·03	0·07	0·01			
8							0·04	0·33	0·02			
9						10·28	0·17	0·16				
10						1·40	0·13					
11						0·23	0·18	0·21				
12							0·22	0·03	0·21			
13							0·06		0·03			
14							2·23		0·18			0·12
15						0·46	0·25	0·11	0·06			
16						0·49	0·46	0·11	0·59			
17						0·14	0·21	0·18	0·03			
18						0·11	0·23	0·09	0·01			
19						0·02	0·31	0·15	1·77			
20						0·03	0·30	0·36	0·80			
21					0·29	0·03	0·03	0·46	1·74			
22								0·22	0·43			
23							6·29	0·02				
24						0·06	2·80	0·12				
25						0·22	1·01	0·38				
26						0·16	0·96	0·03	0·02			
27					1·68	2·11	1·10	0·01	0·06			
28							0·99	0·12	0·57			
29							0·90	0·35	0·80			
30						2·05	0·54	0·76	0·06			
31					0·12		0·15	0·31				

TABLE CLXVII.—*Showing, for each Month, the Fall of Rain, as measured by Newman's Rain Gauge.*

Months, 1856.	Fall of Rain by Newman's Gauge.	Number of Rainy Days.
	in.	
January		
February		
March		
April		
May	2·09	3
June	24·66	22
July	24·48	30
August	6·73	28
September	7·78	24
October	0·06	1
November		
December	0·12	1

FOR SEASONS.		No. of Rainy Days.
	in.	
Fall in {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter	0·18	2
Fall in {Apr. May, June, / July, Aug. Sept.} or Summer	65·74	107
Total fall during the year	65·92	109
Greatest fall of rain, in June	24·66	
None in January, February, March, and April.		

TABLE CLXVIII.—*Showing, for each Month, the Mean Fall of Rain by Newman's Rain Gauge (as obtained from the Observations of the last ten years, 1847—56 inclusive).*

Months,	Mean Monthly Fall of Rain by Newman's Rain Gauge.	Excess in 1856.	FOR SEASONS.
	in.	in.	
January	0·04	−0·04	Fall in { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ... in. 2·95
February	0·00		
March	0·00		
April	0·09	−0·09	Fall in { Apr. May, June, / July, Aug. Sept. } or Summer.. 70·45
May.....	1·00	+1·09	
June.....	25·69	−1·03	
July.....	25·90	−1·42	
August.....	8·56	−1·83	Total fall during the year ..... 73·40
September	9·21	−1·43	
October	1·96	−1·90	
November	0·84	−0·84	Greatest fall of rain, in July.
December.....	0·11	+0·01	No rain in February and March.

TABLE CLXIX.—*Fall of Rain, as measured by Newman's Rain Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
					in.	in.	in.	in.	in.			in.	
Midnight.						0·13	0·29	0·89	0·06				Midnight.
1 A. M.						0·35	1·14	0·03	0·04			0·12	1 A. M.
2 „						1·11	1·15	0·11	0·16				2 „
3 „						0·13	1·60	0·09	0·22				3 „
4 „						0·66	1·73	0·19	0·13				4 „
5 „						0·51	1·19	0·31	0·14				5 „
6 „						0·49	1·50	0·66	0·07				6 „
7 „						0·52	0·80	0·47	0·48				7 „
8 „						1·41	0·93	0·36	0·21				8 „
9 „						2·20	1·40	0·50	0·66				9 „
10 „					1·02	2·59	1·15	0·24	0·18				10 „
11 „					0·02	1·45	1·86	0·16	0·27				11 „
Noon.						0·74	0·80	0·38	1·68				Noon.
1 P. M.						0·36	1·30	0·12	0·44				1 P. M.
2 „						0·19	0·74	0·25	0·23				2 „
3 „						1·77	0·48	0·23	0·33				3 „
4 „						0·44	0·96	0·12	0·30				4 „
5 „						0·56	0·60	0·15	0·37				5 „
6 „						0·30	1·07	0·26	0·31				6 „
7 „					0·14	2·02	0·54	0·32	0·19				7 „
8 „					0·17	2·39	1·34	0·01	0·52				8 „
9 „					0·61	0·98	0·51	0·13	0·19				9 „
10 „					0·12	2·70	1·07	0·13	0·68	0·06			10 „
11 „					0·01	0·66	0·33	0·62	0·92				11 „

TABLE CLXX.—*Showing, for the Year* 1856, *the total fall of Rain, as measured by Newman's Gauge, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Fall of Rain by Newman's Gauge.	FOR DAY AND NIGHT.
	in.	
Midnight.	1·37	
1 A. M.	1·68	
2 ,,	2·53	
3 ,,	2·04	in.
4 ,,	2·71	Fall in {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night .. 31·76
5 ,,	2·15	
6 ,,	2·72	
7 ,,	2·27	
8 ,,	2·91	Fall in {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day .... 34·16
9 ,,	2·76	
10 ,,	5·18	Annual fall of rain ..... 65·92
11 ,,	3·76	
Noon.	2·60	
1 P. M.	2·22	
2 ,,	1·41	
3 ,,	2·81	
4 ,,	1·82	
5 ,,	1·68	TIMES OF MAXIMUM AND MINIMUM.
6 ,,	1·94	
7 ,,	3·21	Greatest fall of rain at 10 A. M. and 8 P. M.
8 ,,	4·43	Least fall of rain at midnight and 2 P. M.
9 ,,	2·42	
10 ,,	4·76	
11 ,,	2·54	

TABLE CLXXI.—*Fall of Rain, as measured by Osler's Gauge, for each Day of Bombay Civil Time.*

Date, 1856.	January.	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		in.
1						0·78	0·79	0·15	0·22			
2						0·74	3·62	0·29		0·06		
3						2·33	3·45	0·29	0·08			
4						0·21	0·44	0·11	0·01			
5						1·95	1·35	0·13	0·01			
6						0·22	0·43	1·06	0·03			
7						0·42	0·03	0·07	0·01			
8							0·04	0·33	0·01			
9						9·63	0·16	0·16				
10						1·36	0·13					
11						0·23	0·18	0·18				
12							0·22	0·03	0·14			
13									0·03			
14							2·21		0·13			
15						0·45	0·25	0·13	0·06			0·12
16						0·46	0·42	0·11	0·49			
17						0·15	0·18	0·21	0·06			
18						0·11	0·22	0·09	0·01			
19						0·01	0·28	0·14	1·63			
20							0·32	0·36	0·79			
21					0·27	0·03	0·02	0·44	1·98			
22						0·03		0·21	0·43			
23							0·30	0·02				
24						0·05	2·77	0·08				
25						0·22	0·99	0·33				
26						0·13	0·88	0·04	0·02			
27					1·61	1·89		0·01	0·53			
28						0·02	0·92	0·13	0·06			
29							0·83	0·36	0·76			
30						1·92	0·50	0·83	0·04			
31					0·12		0·14	0·28				

TABLE CLXXII.—*Showing, for each Month, the Fall of Rain by Osler's Gauge.*

Months, 1856.	Fall of Rain in Inches.	Number of Rainy Days.	FOR SEASONS.	Number of Rainy Days.
	in.			in.
January			Fall in { Jan. Feb. March, / Oct. Nov. Dec. } or Winter .... 0·18	2
February				
March				
April			Fall in { Apr. May, June, / July, Aug. Sept. } or Summer .... 61·50	105
May	2·00	3		
June	23·34	23		
July	22·06	28	Total fall during the year ..... 61·68	107
August	6·57	28		
September	7·53	23		
October	0·06	1		
November			Greatest fall of rain, in July ..... 23·34	
December	0·12	1	None in January, February, and March.	

TABLE CLXXIII.—*Fall of Rain, as measured by Osler's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1856.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
					in.	in.	in.	in.	in.	in.		in.	
Midnight.						0·17	0·29	0·84	0·02				Midnight.
1 A. M.						0·35	1·26	0·11	0·03			0·12	1 A. M.
2 „						1·04	1·14	0·11	0·19				2 „
3 „						0·19	1·57	0·05	0·22				3 „
4 „						0·64	1·73	0·18	0·25				4 „
5 „						0·56	1·18	0·32	0·13				5 „
6 „						0·45	1·51	0·63	0·11				6 „
7 „						0·61	0·67	0·46	0·54				7 „
8 „						0·93	0·81	0·42	0·20				8 „
9 „						2·41	1·39	0·36	0·63				9 „
10 „					0·98	2·68	0·96	0·29	0·27				10 „
11 „					0·01	1·31	1·56	0·15	0·52				11 „
Noon.					0·01	0·64	0·34	0·38	0·49				Noon.
1 P. M.						0·27	1·10	0·05	0·42				1 P. M.
2 „						0·15	0·68	0·24	0·24				2 „
3 „						1·60	0·38	0·24	0·35				3 „
4 „						0·50	0·66	0·11	0·40				4 „
5 „						0·51	0·48	0·14	0·71				5 „
6 „						0·25	0·75	0·26	0·32				6 „
7 „					0·16	1·72	0·51	0·39	0·15				7 „
8 „					0·14	2·33	1·18	0·01	0·43				8 „
9 „					0·60	0·61	0·51	0·11	0·18				9 „
10 „					0·09	2·83	0·95	0·15	0·61				10 „
11 „					0·01	0·59	0·45	0·57	0·12	0·06			11 „

TABLE CLXXIV.—*Showing, for the Year* 1856, *the Fall of Rain, as measured by Osler's Gauge, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Fall of Rain by Osler's Gauge.	FOR DAY AND NIGHT.
	in.	
Midnight.	1·32	
1 A. M.	1·87	
2 „	2·48	
3 „	2·03	
4 „	2·80	in.
5 „	2·19	Fall in {6, 7, 8, 9, 10, 11 P. M. / Midnight, 1, 2, 3, 4, 5 A. M.} or Night .... 29·73
6 „	2·70	
7 „	2·28	
8 „	2·36	Fall in {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day .... 31·95
9 „	4·79	
10 „	5·18	
11 „	3·55	Annual fall of rain..... 61·68
Noon.	1·86	
1 P. M.	1·84	
2 „	1·31	
3 „	2·57	
4 „	1·67	
5 „	1·84	TIMES OF MAXIMUM AND MINIMUM.
6 „	1·58	
7 „	2·93	Greatest fall of rain at 10 A. M. and 8 P. M.
8 „	4·09	Least fall of rain at midnight and 2 P. M.
9 „	2·01	
10 „	4·63	
11 „	1·80	

SYNOPSIS OF THE WEATHER DURING THE YEAR 1856.

JANUARY.

From the beginning to the 9th instant the sky remained almost cloudless; it was afterwards more or less clouded by cirri and a few patches of cirro-cumuli; from the 16th instant it almost cleared away, with a few cirri observed about horizon; from the 18th to the close of the month clouds of denser sort prevailed; fleecy clouds and a few cirro-cumuli were often observed with cirri, which were always seen in the sky.

FEBRUARY.

The first six days of this month were almost cloudless; on the 7th and 8th, fleecy clouds were seen scattered about; the sky remained cloudless from 9th to 12th; from 13th to 15th the sky was partially clouded by cirri; the next day was quite clear; from the 17th to the close of the month, the sky was more or less clouded by cirri and cirro-cumuli.

Light breezes of wind..... 1st, 13th, 17th, 18th, and 26th.

MARCH.

The first half of this month was more cloudy than the latter; cirri and fleecy clouds mostly prevailed; the sky was almost clear about the close of this month; lightning was observed only on the night of the 4th instant.

Lightning..... 4th and 5th.
Light breezes of wind .... 1st, 13th, 17th, 18th, and 26th.

APRIL.

From the beginning to the 27th instant the sky was more or less clouded with fleecy clouds and light cirro-cumuli; from the 28th instant masses of nimbi were seen in the sky floating towards the land; lightning was observed in NE. and E. during the night; on the next day the ranges of electrical cumuli were seen along the E. horizon, through which lightning proceeded; thunder was but once heard in the E. about 6h. 45m.; nimbi prevailed throughout the day; on the 30th the sky was clouded as on the last day, but no lightning or thunder was noticed; wind blew abnormally on this day.

Lightning ..... 28th and 29th.
Thunder ..... 29th.
Light breezes of wind.... 1st, 4th, 5th, 11th, 12th, 18th, 19th, 23rd, 24th, 29th, and 30th.

MAY.

The state of weather was abnormal during the whole course of this month; ranges of cumuli were always seen arranged around the horizon, through which sheet lightning often proceeded. All the

varieties of clouds were discernible, but light nimbi prevailed more in the morning and evening, which moved generally landward; on the evenings of the 21st and 22nd instant the sky became densely clouded with nimbi, and smart gusts of wind, accompanied with rain, were blowing for a few hours; thunder and lightning were noticed in SE. and E.; the direction of wind was quite abnormal on these days; on the morning of the 27th the sky remained densely overcast with nimbi, loud peals of thunder were continually heard, light rain fell at this time; lightning and thunder were noticed after sunset. The following are the days on which each phenomenon occurred:—

Lightning..... 1st to 9th, 12th, 14th, 19th to 31st.
Thunder ..... 21st, 22nd, and 27th.
Rain..... 15th, 19th, 20th, 21st, 22nd, 26th to 31st.
Wind ..... 19th to 21st, 29th to 31st.

JUNE.

From the beginning to the 9th instant the weather was stormy, but afterwards regular monsoon set in; from the afternoon of the 5th instant to the morning of the 6th peals of thunder were continually heard and sheet lightning observed in horizon; wind blew in squalls, accompanied with rain; on the morning of the 9th thunder was continually heard, but no lightning was observed at that time; from the 9th to the close of this month nimbi and cirri were generally seen scattered throughout the sky, which moved towards NE. or E.; on the 27th instant, after midnight, lightning and thunder were noticed; wind blew in smart gusts, accompanied with rain; on the 30th instant, after sunset, lightning and thunder were noticed at 7h. 15m.; the direction of wind was abnormal on this day.

Lightning..... 1st, 5th, 6th, 9th, 27th, 28th, and 30th.
Thunder ..... 3rd, 5th, 6th, 9th, 27th to 30th.
Rain..... Always fell, more or less.
Wind ..... Generally more than 1lb., stormy.

JULY.

During this month the sky remained always clouded with masses of dense nimbi, which kept continually floating landward.

Rainy days..... 1st to 21st, and 23rd to 31st.
Strong wind ..... 1st to 6th, 11th, 12th, 15th to 30th.

AUGUST.

The extent of cloudy sky was nearly the same as during the last month, and the motion of clouds was generally NE. or E.; the number of rainy days was nearly equal to that of the last month, and the amount of rain fallen was about one-fourth of the quantity fallen in the last month.

Rainy days..... 1st to 9th, 11th, 12th, 15th, to 31st.
Strong wind ..... 1st, 2nd, 3rd, 17th, 18th, 30th, and 31st.

SEPTEMBER.

During the whole of this month the sky was more or less clouded by loose masses of nimbi and other varieties of clouds, the former moving generally E., accompanied occasionally with light showers of rain; cumuli were seen in long ranges along the E. horizon from the 26th instant, through

which lightning often proceeded. Thunder was heard in the N. on the 29th, and in the E. on the 30th instant. About the close of this month the weather grew stormy. The quantity of rain fallen in this month was nearly equal to that fallen during the last month.

Lightning..... 26th, 29th, and 30th.
Thunder ..... 29th and 30th.
Rainy days ..... 1st to 8th, 12th to 22nd, and 26th to 30th.
Strong wind..... 1st, 2nd, 3rd, 21st, 29th, and 30th.

October.

From the beginning to the 14th instant cumuli were always seen in ranges along the E. horizon, through which lightning often proceeded; but thunder was heard only on the 1st and 8th. It rained a little on the 2nd. Nimbi were seldom observed, but they had given place to other lighter sorts of clouds. After the 14th the clouds began gradually to lessen in their amount, and the sky had nearly cleared away towards the end of the month.

Lightning..... 1st, 2nd, 3rd, 4th, 6th, 8th, and 10th.
Thunder ..... 1st to 8th.
Rain..... 2nd.
Light breezes of wind .. 16th and 30th.

November.

During the first eight days the sky was clouded with light nimbi, fleecy clouds, and cirri. On the 3rd and 7th it became overcast at about midnight, and rained a little. Lightning was observed in NE. horizon on the 4th after sunset. After the 8th the sky was more or less clouded by cirri and light fleecy clouds to the end of the month.

December.

The sky was almost cloudless for the first ten days. From the 10th to the 22nd, cirro-cumuli and fleecy clouds were seen scattered about, moving generally seaward. Lightning was observed in E. horizon on the 13th after sunset. It rained a little on the 14th at about 1 A. M. From 23rd to 29th the sky was entirely cloudless. On the 30th and 31st the sky was densely clouded with fleecy clouds and cirri.

Light breezes of wind..... 3rd, 6th, 8th, and 20th.

TABLE CLXXV.—*Showing the Number of Days on which were observed the occurrences of such Phenomena as come under the head of "Weather." Sundays were omitted in these Calculations.*

Months, 1856.	Number of Cloudy Days.	Number of Rainy Days.	Lightning and Thunder together. Number of Days.	Thunder only. Number of Days.	Lightning only. Number of Days.	Windy Days.
January	21					1
February	18					10
March	20				2	5
April	24		1		1	10
May	26	3	3		18	6
June	25	22	5	1	2	16
July	27	30				24
August	26	28				14
September	25	24	2		1	8
October	23	1	2		5	2
November	18				1	1
December	15	1			1	4

It is to be understood that those days are only used when the force of wind was above 1 lb., and the extent of clouds above $\frac{1}{10}$, and the fall of rain above $\frac{1}{100}$ of an inch.

The total number of days of each phenomenon during the year 1856 are as follows :—

	During the Year 1856.	Mean Average of the last three Years.	Excess of the Number of 1856 above the Average.
Cloudy days	268	271	3 days.
Rainy days	109	101	8 „
Days of lightning and thunder together	11	14	3 „
Lightning only	31	30	1 „
Thunder only	1	1	0 „
Days of strong wind	105	102	3 „

This Table shows that the number of rainy days during this year was more than the average of the last three. The fall of rain was also nearly equal to the mean average fall of the last ten years.

TABLE CLXXVI.—*Showing the Relative Monthly Distribution of the Elements alluded to in the last Table, the Annual Quantity being taken equal to Unity.*

Months, 1856.	Cloudy Days.	Rainy Days.	Days of Lightning and Thunder.	Days of Thunder only.	Days of Lightning only.	Days of Strong Wind.
January	0·0784					0·0085
February	·0672					·0953
March	·0746				0·0645	·0476
April	·0896		0·0909		·0322	·0953
May	·0970	0·0275	·2728		·5806	·0571
June	·0933	·2019	·3766	1·0000	·0645	·1524
July	·1007	·2569				·0229
August	·0970	·2569				·1334
September	·0933	·2201	·1818		·0322	·0762
October	·0858	·0092	·1818		·1613	·0190
November	·0672				·0322	·0085
December	·0559	·0092			·0322	·0380

METEOROLOGICAL DISTURBANCES.

Under this head are included all storms, whether of wind, lightning, or thunder; extraordinarily clouded state of the sky; great falls of Barometer; or anything unusual in the state of the atmosphere. The phenomena which generally attend these disturbances are fully discussed in the volume for 1853.

Storms coming from different directions are accompanied by different phenomena; these are exhibited as follows:—

1st.—When they come from the NW. the Barometer generally rises with a clear sky.

2nd.—When they come from the NE. the Barometer rises, but the sky remains densely clouded with nimbi and cumulo-strati, rising from E. or NE.; lightning, thunder, and smart showers of rain generally in the evening. These gales generally occur at the close of the South-West monsoon, and are often called Elephantas.

3rd.—When they come from the SE. the Barometer falls; the sky becomes clouded with nimbi, rising from SE. or S. They come in the afternoon, accompanied with lightning, thunder, and rain, and cease after sunset. These gales generally usher in the South-East monsoon.

4th.—When they come from the SW. the Barometer falls; the sky becomes covered with nimbi, rising from W. or SW.; the clouds generally in double strata, the latter moving generally NE.; heavy rain, but seldom lightning or thunder. These gales last for four or five days, and occur about the middle of the South-West monsoon.

The following are the Meteorological Disturbances which occurred during the year 1856:—

April 2nd.—Barometer was gradually rising from the 27th March, and attained its greatest height on the 4th of April. The temperature of air was a little high, being about 89° or 90° about the hottest time of the day. Pressure of moisture was a little low. The amount of clouds was not great, but sometimes light nimbi and cirro-cumuli were seen in the sky. The wind blew abnormally on this day, whose force was rather moderate on the previous day.

May 21st.—Standard Barometer was slowly falling, and attained its lowest on the 23rd; it then began to rise. The temperature of air was high, being 92° at the maximum time. Pressure of moisture was high. The sky was clouded with dense clouds, and electrical cumuli were always seen about the horizon, through which lightning proceeded. The direction of wind was abnormal on this and the following day. On the 21st, at about 5h. 30m., it suddenly veered from W. to ESE. by retrograde motion, and began to blow with a force of 3 lbs., and rose to 16 lbs. at 5h. 45m. This squall lasted for about one hour and a half.

May 30th.—Standard Barometer was gradually falling from 28th instant. It attained its lowest reading on the 30th, and then began to rise. The air was hot and sultry. Pressure of moisture was rather high. The sky remained densely clouded with lower sorts of clouds, nimbi and cirro-cumuli. Cumulo-strati were seen around horizon, through which lightning proceeded in vivid flashes. Light rain fell at

this time. The wind was blowing from S. with strong force, the maximum pressure of which was about 14 lbs. This storm lasted for about sixteen hours. The wind was rather squally on the five following days, often increasing in force to about 12 lbs. South-West monsoon regularly set in after these squalls had lulled their fury.

AUGUST 24TH.—Standard Barometer was slowly rising. The maximum temperature of air about 86°. The pressure of moisture was high. The direction of wind was abnormal. The sky was densely clouded with heavy nimbi, moving generally eastward. A slight magnetic disturbance occurred on this day.

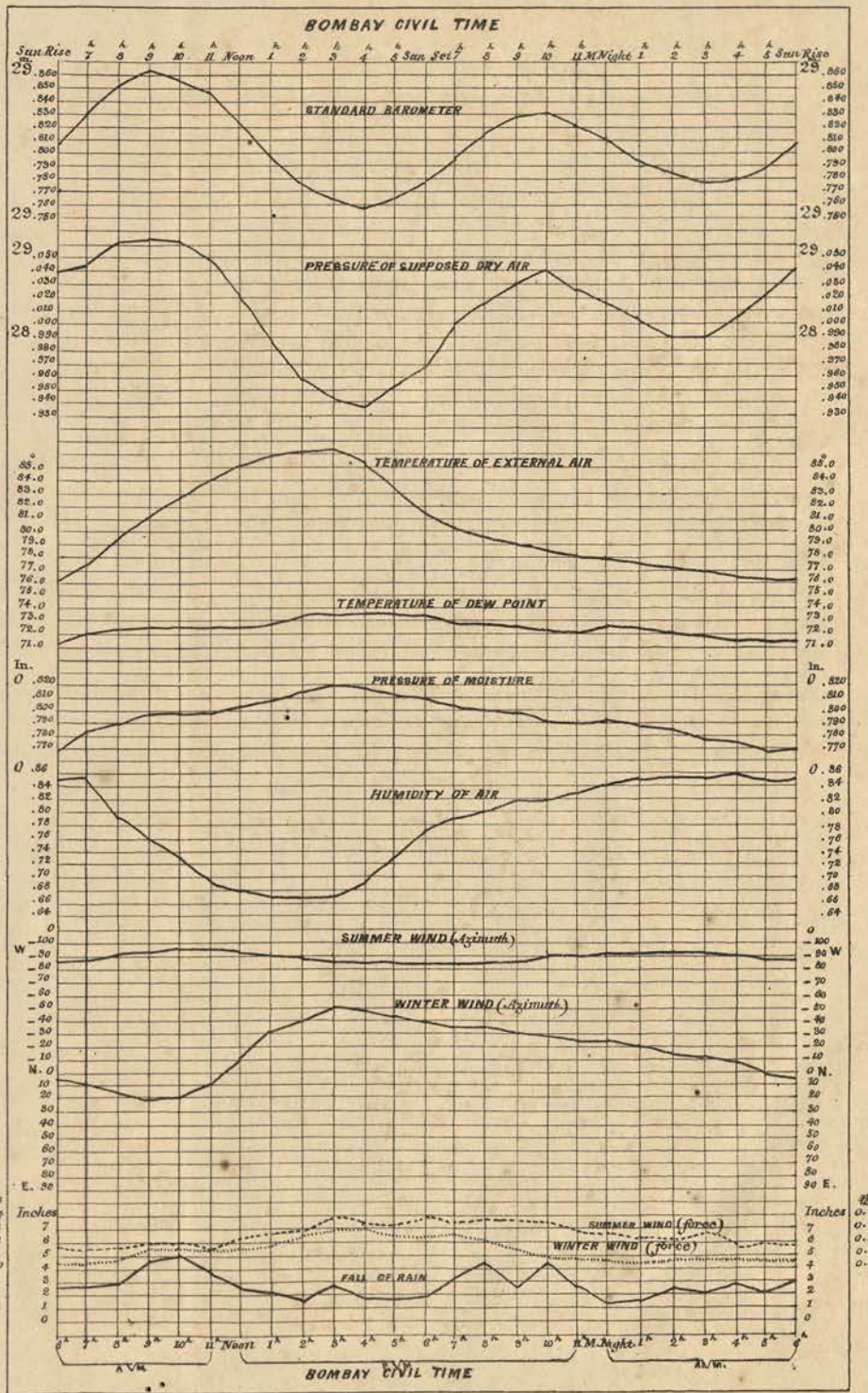
SEPTEMBER 29TH.—Standard Barometer was gradually falling from the 23rd instant. It was very low on the 28th, and afterwards commenced to rise slowly. The temperature of air was moderate. The air was almost saturated with moisture. The sky was densely clouded with heavy masses of nimbi, floating generally landward. Lightning was always seen, and thunder continually heard. The direction of wind was quite abnormal. It blew on the 28th, at 4h. 3m. P. M., with about the force of 1 lb.; on the 29th, between 9h. and 10h., with about 4 lbs. force, accompanied, in both instances, with light showers of rain. These squalls lasted for about one hour.

OCTOBER 23RD.—There was no preceptible change in the movements of Barometer. The atmospheric air was hot and sultry. Pressure of moisture was low. The sky was partially clouded with dense clouds, and cumuli were seen about horizon. A magnetic disturbance occurred on this day. A slight magnetic disturbance occurred on the 12th instant.

NOVEMBER 7TH.—Standard Barometer was slowly rising. Temperature of air was moderate about this time, but grew more hot afterwards. Pressure of moisture was unusual. On the 7th, at midnight, the sky became overcast with heavy masses of nimbi, and light rain fell for about four minutes.

DECEMBER 14TH.—Standard Barometer was little low. Temperature of air was as usual. Pressure of moisture was unusual. There was no change in direction or force of wind. The sky was partially clouded with fleecy clouds. Lightning was observed in NE. after sunset. A slight magnetic disturbance occurred on the 29th.

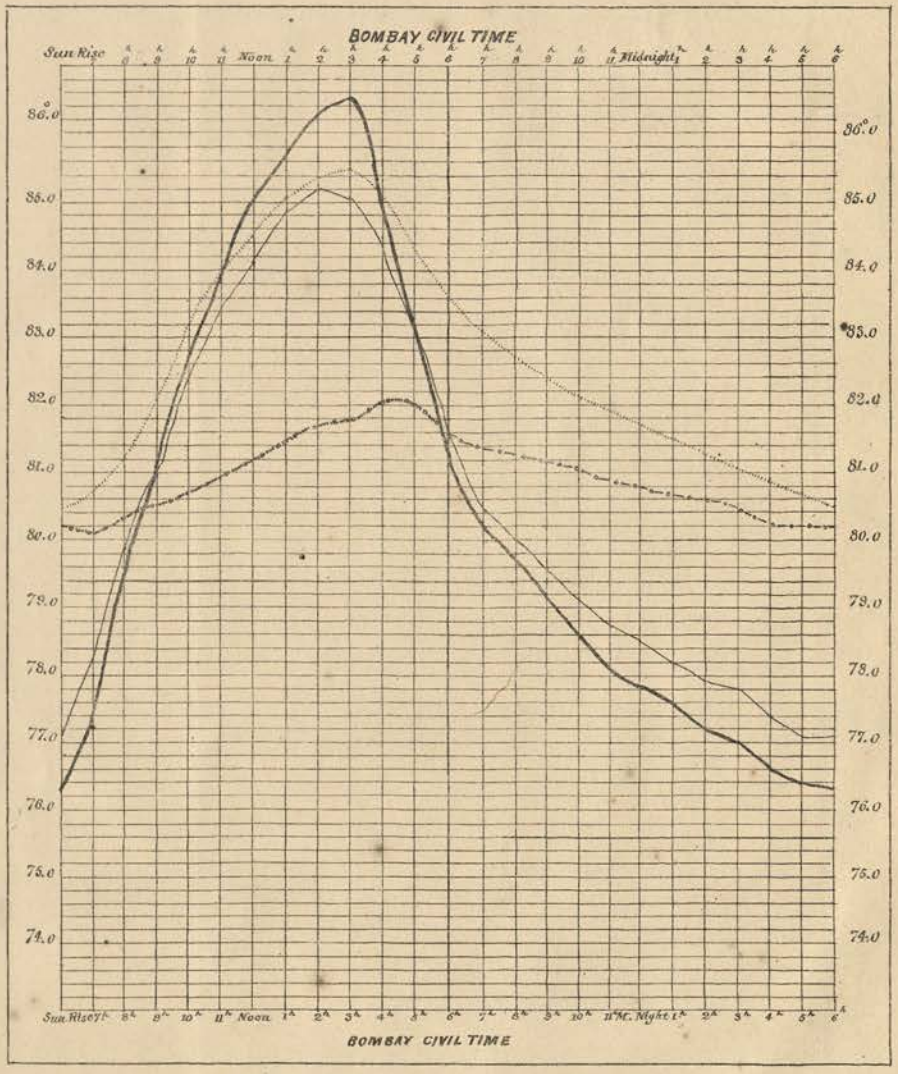
DIURNAL CHANGES OF THE METEOROLOGICAL ELEMENTS



Drawn by S. C. Asett.

Arranged & Curved by Goverdhun L. C. 1st Assist M.D.

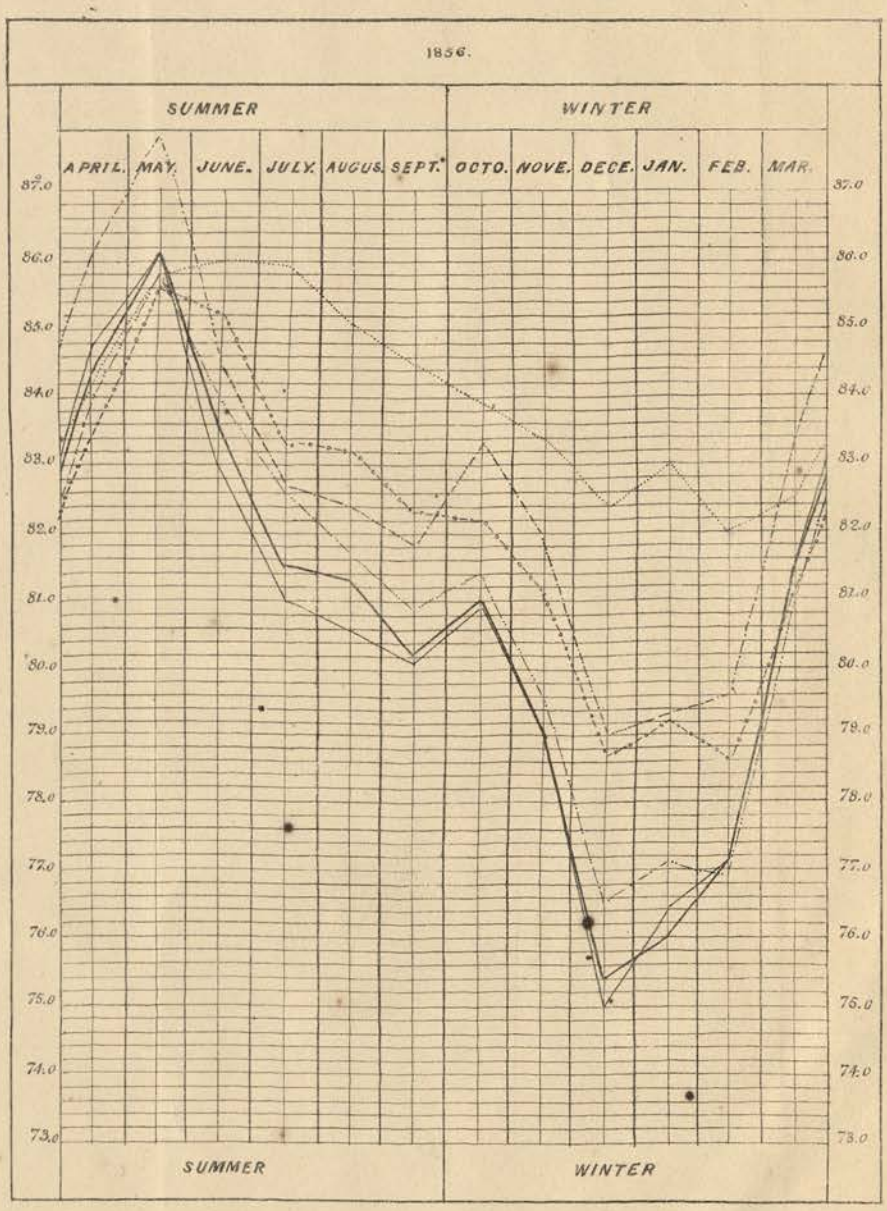
DIURNAL VARIATION OF TEMPERATURE under different SITUATIONS.



Drawn by S. C. Sett.

Arranged and Curved by Goverdhun L. 1st Assts M.D.

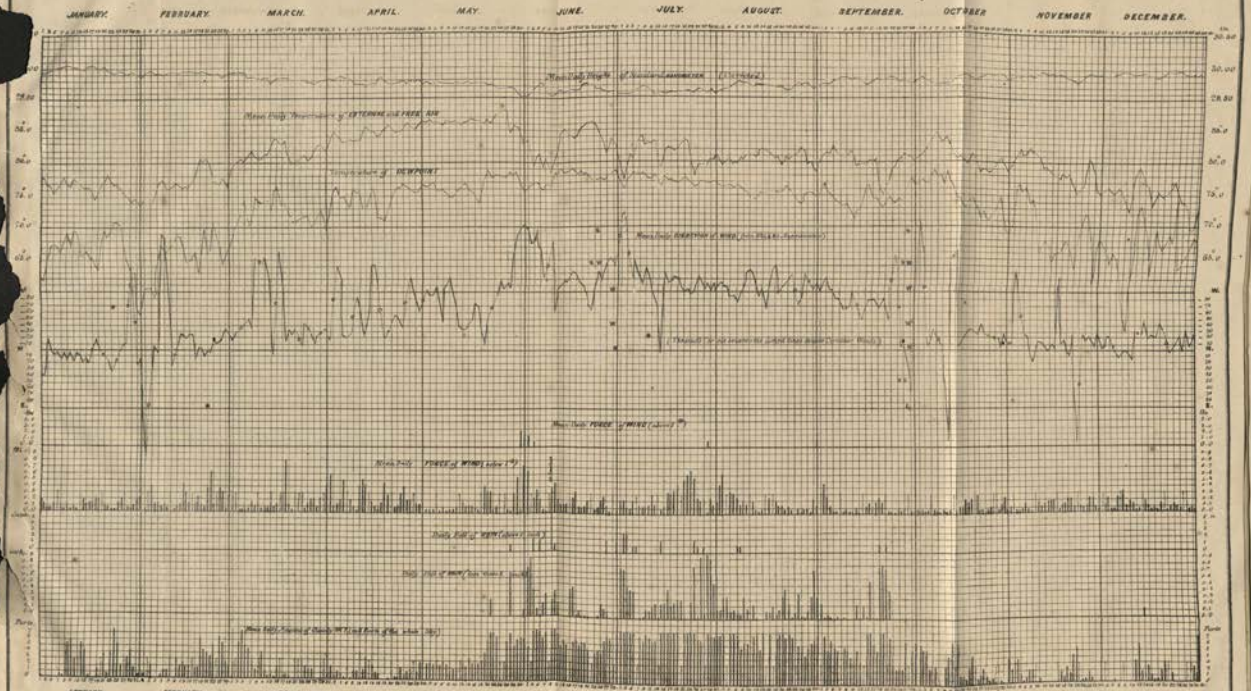
MONTHLY VARIATION OF TEMPERATURE under different SITUATIONS



Drawn by S. Scott.

Arranged and Carved by Geo. Buist L.C. 1st Assist. M.D.

CURVES exhibiting the principal METEOROLOGICAL PHENOMENA in the Year 1836.



BOMBAY MAGNETICAL OBSERVATORY.

TIDAL OBSERVATIONS

FOR 1856.

TIDAL OBSERVATIONS DURING 1856.

As it has been already mentioned in preceding Volumes that the Tidal Registry is frequently broken by the manifold disadvantages under which the apparatus works, it cannot be any longer considered a perfect instrument. Both at the beginning and close of this year some Tidal Observations were lost on this account: however, the daily observations, though broken in some instances, are given in the following pages.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				
JANUARY, 1856. 1	19.03	17.43	0·8	23.57	-6.5	7.3	7.25	6.45	0.5	11.49	-2.6	2.1	7.3	22.9
2	19.47	18.35	0.7	25.34	-6.1	6.8	8.11	8.17	0.3	12.56	-2.2	2.5	6.8	23.9
3	20.35	19.45	0.6	26.36	-7.1	7.7	9.02	8.59	1.5	14.38	-2.2	3.7	8.6	24.9
4	21.26	20.39	0.9	27.13	-7.7	8.6	9.57	9.36	2.7	15.15	-2.5	5.2	10.4	25.9
5	22.26	21.46	1.3	27.55	-8.6	10.1	10.57	10.13	3.2	16.52	-3.3	6.5	11.8	26.9
6	23.27	22.23	1.8	28.27	-8.7	10.5	11.59	10.50	4.5	17.04	-4 3	8.8	13.2	27.9
7	24.30	22.50	2.6	29.19	-8.9	11.5	13.01	12.02	4.9	18.01	-5.0	9 9	13.8	28.9 ●
8	25.32	23.32	3.4	29.51	-9.2	12.6	14.00	12.24	5.2	18.48	-5.6	10.8	14.4	0.3
9	26.30	23.44	4.0	30.28	-9.4	13.4	14.56	13.06	5.2	19.35	-6.1	11.3	14.6	1.3
10							15.48	13.43	4.7	20.42	-5.6	10.3	10.3	2.3 P
11	3.23	0.46	3.2	6.40	-8.6	11.8	16.38	14.10	4.4	21.09	-5.3	9.7	13.0	3.3
12	4.14	2.40	4.3	8.34	-5.8	10.1	17.26	14.58	6.4	21.52	-5.7	12.1	12.2	4.3
13	5.02	3.36	3.5	9.15	-4.2	7.7	18.15	15.29	5.4	22.43	-5.7	11.1	11.1	5.3
14	5.50	4.27	2.6	10.06	-2.7	5.3	19.04	16.40	4.1	23.29	-5.3	9.4	9.4	6.3 ☽
15	6.39	6.08	2.4	11.32	-1.5	3.9	19.55	17.06	2.7	24.25	-5.2	7.9	7.9	7.3
16	7.27	7.39	2.2	13.13	-0.9	3.1	20.48	18.07	2.4	25.41	-5.3	7.7	7.7	8.3
17	8.21	9.20	2.6	14.39	-0.9	3.5	21.43	20.23	1.6	26.32	-5.7	7.3	8.3	9.3
18	9.15	9.47	3.3	15.32	-2.2	5.5	22.38	21.17	2.0	27.22	-6.5	8.5	9.8	10.3
19	10.11	10.32	4.1	16.32	-2.9	7.0	23.32	22.11	2.3	27.56	-7.2	9.5	11.3	11.3
20	11.06	11.26	4.6	17.40	-4.0	8.6	24.24	22.59	2.5	29.10	-7.5	10.0	12.1	12.3
21	11.59	11.40	4 4	17.57	-4.4	8.8	25.12	23.23	2.6	29.32	-7.6	10.2	12.0	13.3 ○
22	12.49	12.21	4.4	18.25	-4.7	9.1	25.57	23.53	2.7	30.02	-7.6	10.3	12.0	14.3
23	13.35	13.05	4.2	18.59	-5.1	9.3							9.3	15.3
24	14.18	13.42	3.7	19.31	-5.5	9.2	2.39	0.30	2.5	6.29	-7.6	10.1	11.3	16.3
25	14.59	14.09	3.3	20.13	-5.7	9.0	3.19	1.07	1.6	7.11	-7.2	8.8	10.5	17.3
26	15.39	14.31	2.6	20 35	-5.8	8.4	3.58	1.29	1.4	7.18	-6.4	7.8	9.0	18.3 A
27	16.18	15.08	1.8	21.02	-5.9	7.7	4.38	2.06	1.3	7.35	-5.6	6.9	7.7	19.3
28	16.57	15.30	1.4	21.29	-5.6	7.0	5.19	2.48	0.8	8.12	-4.7	5.5	7.0	20.3
29	17.39	16.02	1.1	22.11	-5.7	6.8	6.02	3.35	0.4	8.59	-3.6	4.0	6.8	21.3
30	18.24	16.39	0.5	23.23	-5.7	6.2	6.49	4.47	0.0	10.36	-2.6	2.6	6.2	22.3 ☾
31	19.14	17.07	0.3	23.41	-5.5	5.8	7.41	6.20	-0.1	11.48	-1.9	1.8	5.8	23.3
FEBRUARY, 1856. 1	20.08	18.28	0.4	25.37	-6.1	6.5	8.38	8.10	2.1	13.49	-1.6	3.7	8.2	24.3
2	21.07	20.00	0.4	26.49	-6.9	7.3	9.38	8.47	2.8	14.41	-2.2	5.0	9.7	25.3
3	22.09	21.12	0.8	27.41	-8.4	9.2	10.41	9.44	3.6	16.13	-3.2	6.8	12.0	26.3
4	23.11	22.19	1.7	28.33	-9.6	11.3	11.42	10.41	4.2	17.05	-4.6	8.8	13.8	27.3
5	24.13	23.26	3.0	29.35	-10.1	13.1	12.41	11.23	4.8	17.37	-5.6	10.4	14.9	28.3
6	25.10	23.57	3.6	30.07	-10.4	14.0	13.36	11.59	5.5	18.28	-6.8	12.3	15.9	29.3 ●
7	♂						14.29	12.31	6.0	19.05	-7.8	13.8	13.8	0.9 P
8	2.04	0.45	4.1	6.54	-10.2	14.3	15.19	13.18	6.0	19.52	-8.9	14.9	16.2	1.9
9	2.55	1.32	3.7	7.36	-9.5	13.2	16.09	13.55	5.3	20.39	-9.7	15.0	15.0	2.9
10	3.44	2.29	3.3	8.18	-8.1	11.4	17.00	14.32	4.3	21.21	-9.5	13·8	13.8	3.9
11	4.34	3.20	3.5	8.54	-5.6	9.1	17.41	14.48	4.0	21.57	-8.1	12.1	12.1	4.9
12	5.25	4.12	2.7	9.36	-3.8	6.5	18.45	15.55	2.6	22.44	-7.2	9.8	9.9	5.9 ☽
13	6.17	5.29	1.3	11.33	-2.8	4.1	19.39	16.37	0.8	23.36	-6.6	7.4	7.9	6.9
14	7.11						20.34							7.9
15	8.07						21.28							8.9
16	9.02						22.20							9.9
17	9.55						23.08							10.9
18	10.45						23.54							11.9
19	11.32						♂							12.9
20	12.16						0.37							13.9 ○
21	12.57						1.17							14.9
22	13.47	Instrument in disorder.					2.06	Instrument in disorder.						15.9 A
23	14.16						2.36							16.9
24	14.55						3.16							17.9
25	15.36						3.58							18.9
26	16.19						4.43							19.9
27	17.06						5.32							20.9
28	17.57						6.25							21.9 ☾
29	18.52						7.22							22.9

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MARCH, 1856. 1	19.51						8.21							23.9
2	20.52						9.22							24.9
3	21.53						10.22							25.9
4	22.51						11.19							26.9
5	23.47						12.13							27.9
6	24.39	23.12	5.1	29.11	-8.6	13.7	13.06	11.30	6.6	18.10	-7.5	14.3	15.2	28.9 ●
7	25.31	23.41	6.0	29.50	-8.9	14.9	13.57	12.07	7.0	18.47	-8.6	15.6	15.9	0.4 P
8	♂						14.49	12.34	6.9	19.19	-9.3	16.2	16.2	1.4
9	2.23	0.33	6.2	6.27	-8.1	14.3	15.42	13.13	6.1	20.13	-9.7	15.8	15.9	2.4
10	3.15	1.25	6.2	7.14	-7.1	13.3	16.37						13.3	3.4
11	4.09						17.33							4.4
12	5.04						18.29							5.4
13	6.01						19.24							6.4 ☽
14	6.57						20.16							7.4
15	7.51						21.06							8.4
16	8.42	Air-cock out of order.					21.53	Air-cock out of order.						9.4
17	9.30						22.35							10.4
18	10.14						23.16							11.4
19	10.57						23.56							12.4
20	11 37						24.35							13.4 A
21	12.15	11.18	3.5	17.34	-6.3	9.8	25.15			28.39	-6.4		9.9	14.4 ○
22	12.55	11.49	3.8	17.43	-6.8	10.6	25.56	23.36	2.9	29.20	-6.3	9.2	10.6	15.4
23	13.35	12.10	3.6	18.30	-7.3	10.9	26.41	23.52	3.5	29.46	-6.2	9.7	10.9	16.4
24	14.17	12.32	3.3	18.46	-7.5	10.8							10.8	17.4
25	15.02	12.58	2.9	19.03	-7.8	10.7	3.27	0.39	3.6	6.33	-6.0	9.6	11.4	18.4
26	15.51	13.15	2.4	19.39	-8.0	10.4	4.18	1.15	3.4	7.04	-5.7	9.1	11.4	19.4
27	16.44	13.56	1.5	20.16	-7.7	9.2	5.13	1.32	3.3	7.26	-5.3	8.6	11.0	20.4
28	17.41	14.23	0.8	20.52	-6.7	7.5	6.10	2.03	2.6	8.07	-4.6	7.2	9.3	21.4
29	18.39	14.54	0.3	21.54	-6.2	6.5	7.09	2.40	1.9	8.19	-3.4	5.3	8.1	22.4 ☾
30	19.38						8.07	3.26	1.7	9.20	-2.6	4.3		23.4
31	20.35						9.03	4.48	0.4					24.4
APRIL, 1856. 1	21.30						9.56							25.4
2	22.24						10.49							26.4
3	23.15						11.41							27.4
4	♂						12.33							28.4P●
5	0.07						13.27							0.1
6	0.59						14.22							1.1
7	1.54	Instrument in disorder.					15.20	Instrument in disorder.						2.1
8	2.50						16.18							3.1
9	3.49						17.15							4.1
10	4.47						18.10							5.1
11	5.44						19.01							6.1 ☽
12	6.37						19.49							7.1
13	7.27						20.34			25.03	-4.6			8.1
14	8.13	6.49	1.0	13.10	-2.8	3.8	21.15	26.06	-0.4	26.11	-4.6	5.0	5.6	9.1
15	8.55	7.52	1.9	15.08	-4.4	6.3	21.55	21.09	0.9	26.59	-4.6	5.5	6.5	10.1
16	9.36	8.40	2.2	15.51	-5.2	7.4	22.35	21.52	1.7	27.42	-4.7	6.4	7.4	11.1 A
17	10.15	9.23	2.9	16.44	-6.1	9.0	23.14	22.20	2.6	28.20	-5.2	7.8	9.0	12.1
18	10.54	10.36	3.0	17.02	-7.1	10.1	23.55	23.03	3.1	30.05	-5.2	8.3	10.2	13.1
19	11.34	12.09	3.7	18.08	-8.7	12.4							12.4	14.1
20	12.16	12.32	3.5	18.42	-8.7	12.2	0.38	1.01	3.6	6.46	-5.1	8.7	12.3	15.1 ○
21	13.00	13.05	1.8	19.20	-8.6	10.4	1.25	1.29	3.6	7.14	-5.0	8.6	12.2	16.1
22	13.48	13.38	1.0	19.58	-8.4	9.4	2.15	2.07	3.0	8.17	-4.6	7.6	11.4	17.1
23	14.40	14.21	0.4	20.41	-7.5	7.9	3.08	2.50	2.1	8.55	-3.9	6.0	9.6	18.1
24	15.35						4.04							19.1
25	16.33						5.02							20.1
26	17.31						55.9							21.1
27	18.27						6.54							22.1 ☾
28	19.21						7.47							23.1
29	20.13						8.38							24.1
30	21.03	20.38	1.0	26.48	-6.6	7.6	9.28	8.49	1.4	15.09	-7.1	8.5	8.5	25.1

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the* ☽*'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MAY, 1856. 1	21.53	21.45	2.0	27.25	-6.8	8.8	10.19	9.07	2.6	15.36	-8.2	10.8	10.8	26.1
2	22.44	22.23	3.8	28.13	-6.9	10.7	11.11	9.29	3.1	15.59	-9.8	12.9	13.6	27.1 P
3	23.37	23.10	4.5	29.05	-6.7	11.2	12.05	10.17	3.3	16.51	-10.2	13.5	14.7	28.1
4	♂						13.02	10.59	3.2	17.19	-10.2	13.4	13.5	29.1 ●
5	0.33	0.03	4.8	5.53	-6.7	11.5	14.01	11.27	3.0	17.51	-10.0	13.0	14.8	0.7
6	1.32	0.35	5.0	6.40	-6.4	11.4	15.01	12.04	2.5	18.09	-9.3	11.8	14.3	1.7
7	2.31	1.08	5.5	7.23	-5.6	11.1	25.58	12.17	3.4	18.56	-8.3	11.7	13.8	2.7
8	3.30	1.50	5.0	7.45	-4.1	9.1	16.53	12.54	3.7	19.04	-7.5	11.2	12.5	3.7
9	4.27	2.23	4.0	8.03	-3.4	7.4	17.43	13.27	2.6	19.32	-6.5	9.1	10.5	4.7
10	5.19	3.59	3.1	10.33	-2.3	5.4	18.29	15.47	0.4	21.26	-4.0	4.4	7.1	5.7
11	6.08	5.28	2.6	11.54	-2.4	5.0	19.12	17.20	0.1	23.50	-3.3	3.4	5.9	6.7 ☽
12	6.52	6.26	1.9	13.37	-2.6	4.5	19.53	18.58	0.1	25.09	-3.1	3.2	5.0	7.7
13	7.33	7.50	1.9	14.51	-3.5	5.4	20.33	20.17	0.6	26.07	-3.1	3.7	5.4	8.7
14	8.13	8.48	2.0	15.24	-4.6	6.6	21.12	21.05	1.5	27.15	-3.2	4.7	6.6	9.7 A
15	8.52	9.36	2.1	15.47	-5.6	8.0	21.52	21.53	2.7	28.13	-3.5	6.2	8.3	10.7
16	9.31	10.14	2.5	16.35	-5.7	8.2	22.35	22.21	3.5	(28.52)	-3.6	7.1	9.2	11.7
17	10.13						23.20							12.7
18	10.56						♂							13.7
19	11.44						0.10							14.7 ○
20	12.35	11.44	1.9	17.44	-8.6	10.5	1.03	0.19	3.4	5.59	-4.5	7.9	12.0	15.7
21	13.30	12.29	1.9	18.14	-8.5	10.4	1.59	0.39	3.5	6.44	-4.3	7.8	12.0	16.7
22	14.23	12.53	1.6	19.08	-8.2	9.8	2.57	1.23	3.6	7.48	-4.1	7.7	11.8	17.7
23	15.26						3.54							18.7
24	16.23						4.49							19.7
25	17.17						5.43							20.7
26	18.08						6.33							21.7 ☽
27	18.58			23.52	-5.0		7.22							22.7
28	19.46	19.31	1.2	24.26	-4.2	5.4	8.11	6.06	2.5	13.11	-5.6	8.1	8.1	23.7
29	20.35	20.30	2.6	25.55	-4.0	6.6	9.00	7.15	3.0	14.00	-6.7	9.7	9.7	24.7
30	21.25	21.19	4.1	26.54	-3.8	7.9	9.52	8.04	3.4	14.54	-7.3	10.7	11.4	25.7 P
31	22.19	22.19	5.2	28.19	-3.1	8.3	10.47	8.59	3.4	15.19	-8.2	11.6	13.4	26.7
JUNE, 1856. 1	23.15	23.16	6.2	29.11	-3.3	9.5	11.45	9.56	4.4	16.36	-7.3	11.7	13.5	27.7
2	♂						12.44	10.46	4.1	17.06	-7.6	11.7	11.7	28.7 ●
3	0.14	0.17	6.3	6.07	-3.4	9.7	13.44	11.32	3.7	17.47	-6.7	10.4	13.0	0.3
4	1.14	0.53	5.5	6.53	-3.7	9.2	14.40	12.13	2.7	17.53	-6.6	9.3	12.1	1.3
5	2.13	1.13	5.2	7.18	-3.9	9.1	15.33	12.23	2.4	18.28	-6.3	8.7	11.5	2.3
6	3.08	1.43	4.6	7.28	-3.6	8.2	16.22	12.39	1.5	18.43	-6.0	7.5	10.6	3.3
7	3.59	2.20	3.5	8.05	-3.7	7.2	17.07	13.25	0.7	19.30	-5.0	5.7	8.5	4.3
8	4.46	3.00	2.9	9.00	-3.3	6.2	17.49	14.15	0.3	20.00	-4.1	4.4	7.0	5.3
9	5.29	3.51	3.0	9.30	-3.4	6.4	18.29	15.06	0.0	20.46	-3.2	3.2	6.4	6.3
10	6.09	4.22	2.5	10.37	-3.4	5.9	19.08	17.42	-0.1	22.37	-2.8	2.7	5.9	7.3 ☽
11	6.49						19.48							8.3 A
12	7.28						20.29							9.3
13	8.08						21.14							10.3
14	8.50						22.02							11.3
15	9.36						22.54							12.3
16	10.26						23.50	23.40	1.8	28.50	-3.3	5.1		13.3
17	11.21	10.35	1.1	16.25	-7.7	8.8	24.48	23.55	3.3	29.45	-3.6	6.9	11.0	14.3
18	12.18	11.16	1.2	17.16	-8.0	9.2	♂						9.2	15.3 ⊙
19	13.18	11.56	1.2	17.46	-8.5	9.7	1.47	0.31	3.0	6.26	-4.1	7.1	11.5	16.3
20	14.16	12.32	0.9	18.52	-8.4	9.3	2.44	1.17	2.6	7.22	-4.5	7.1	11.0	17.3
21	15.13	13.52	0.9	19.17	-7.3	8.2	3.39	2.44	2.6	8.08	-4.0	6.6	9.9	18.3
22	16.06	14.39	1.0	20.44	-6.4	7.4	4.30	3.26	2.8	9.15	-4.1	6.9	9.2	19.3
23	16.56	15.51	0.6	21.41	-5.6	6.2	5.20	4.13	2.6	10.12	-4.4	7.0	8.2	20.3
24	17.44	16.53	0.6	22.33	-4.6	5.2	6.08	4.55	2.6	11.04	-4.6	7.2	7.2	21.3
25	18.32	18.20	0.6	24.05	-3.5	4.1	6.56	5.22	2.5	12.16	-4.8	7.3	7.3	22.3 ☾ P
26	19.20	19.42	1.2	25.13	-2.3	3.5	7.46	6.14	2.2	12.58	-5.4	7.6	7.6	23.3
27	20.11	21.04	1.9	26.14	-2.6	4.5	8.38	6.41	2.0	13.55	-5.8	7.8	7.8	24.3
28	21.04	22.01	2.2	27.21	-2.6	4.8	9.33	7.53	1.4	14.52	-6.6	8.0	8.8	25.3
29	22.02	23.08	2.6	28.33	-2.7	5.3	10.31	8.45	1.2	15.44	-7.1	8.3	9.7	26.3
30	23.01	23.35	3.7	29.35	-3.1	6.8	11.30	9.42	1.6	16.21	-6.5	8.1	10.2	27.3

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JULY, 1856. 1	♂						12.28	11.28	1.5	16.57	-6.2	7.7	7.7	28.3
2	0.00	0.11	4.5	6.41	-2.7	7.2	13.23	12.00	1.8	18.04	-6.4	8.2	10.9	29.3 ●
3	0.57	0.53	4.4	7.13	-2.7	7.1	14.14	12.37	1.9	18.31	-6.3	8.2	10.7	0.3
4	1.50	2.00	3.3	8.00	-3.6	6.9	15.00	13.14	1.3	19.18	-6.3	7.6	9.6	1.3
5	2.38	2.37	2.7	8.27	-3.6	6.3	15.14	13.56	1.3	19.35	-5.4	6.7	8.1	2.3
6	3.23	3.04	2.2	8.56	-3.7	5.9	16.25	14.28	0.8	20.02	-4.7	5.5	6.9	3.3
7	4.05	3.41	1.7	9.31	-3.7	5.4	17.04	15.00	0.3	20.54	-4.3	4.6	6.0	4.3
8	4.45	4.03	1.6	10.18	-3.8	5.4	17.43	15.52	-0.4	21.56	-3.7	3.3	5.4	5.3 ☌
9	5.24	4.35	0.9	11.05	-4.2	5.1	18.24	16.59	-0.6	23.03	-2.7	2.1	5.1	6.3
10	6.03	5.12	0.9	11.47	-4.3	5.2	19.06	17.21	-0.7	23.30	-2.5	1.8	5.2	7.3 ☽
11	6.44	5.49	0.5	12.39	-4.7	5.2	19.52	20.48	-0.7	25.17	-2.3	1.6	5.2	8.3
12	7.28	6.46	0.1	13.06	-5.2	5.3	20.43	20.55	-0.3	26.49	-2.0	1.7	5.3	9.3
13	8.16	7.38	-0.2	14.18	-5.7	5.5	21.37	21.52	1.3	27.56	-1.9	3.2	7.0	10
14	9.08	8.35	-0.1	15.05	-5.6	5.5	22.35	22.44	1.8	28.43	-2.3	4.1	7.4	11
15	10.05	9.32	0.2	15.37	-6.6	6.8	23.34	22.56	2.3	29.30	-2.9	5.2	8.9	12.3
16	11.04	10.24	0.6	16.34	-7.3	7.9	♂						7.9	13.3
17	12.04	11.13	0.8	17.27	-7.4	8.2	0.33	0.16	2.2	6.05	-3.4	5.6	9.6	14.9 ○
18	13.03	11.59	1.6	18.03	-7.2	8.8	1.30	0.57	3.4	6.46	-3.6	7.0	10.6	15.9
19	13.58	12.50	2.0	19.00	-7.0	9.0	2.24	1.29	3.8	7.13	-4.0	7.8	10.8	16.9
20	14.51	13.37	2.2	19.49	-6.5	8.7	3.16	2.11	3.9	8.00	-4.3	8.2	10.4	17.9 P
21	15.41	14.33	2.0	20.17	-5.8	7.8	4.05	3.10	4.1	8.59	-4.6	8.7	9.9	18.9
22	16.29	15.35	1.4	21.04	-4.8	6.2	4.54	3.21	3.6	9.36	-5.4	9.0	8.9	19.9
23	17.18	16.37	1.2	21.56	-2.8	4.0	5.43	4.03	2.7	10.23	-5.4	8.1	8.1	20.9
24	18.08	17.39	1.4	22.33	-1.6	3.0	6.34	4.15	3.2	11.40	-5.0	8.2	8.2	21.9 ☾
25	19.00	19.17	1.2	24.32	-1.4	2.6	7.28	5.11	2.1	12.30	-4.7	6.8	6.8	22.9
26	19.55	20.29	1.1	26.24	-1.5	2.6	8.24	6.08	1.1	13.17	-4.9	6.0	6.0	23.9
27	20.53	21.46	1.7	27.01	-1.9	3.6	9.22	7.25	0.7	14.31	-5.4	6.1	7.1	25.0
28	21.51	22.17	2.8	28.11	-2.5	5.3	10.19	8.23	0.8	15.05	-4.7	5.5	7.7	25.9
29	22.48	23.29	3.0	29.23	-3.3	6.3	11.16	9.50	0.7	16.10	-6.1	6.8	9.1	26.9
30	23.43	23.57	2.5	30.21	-3.6	6.1	12.06	10.52	0.9	16.57	-6.2	7.1	8.7	27.9
31	♂						12.54	11.44	1.0	17.49	-6.6	7.6	7.6	28.9 ●
AUGUST, 1856. 1	0.31	0.54	3.2	6.49	-3.1	6.3	13.39	12.23	1.6	18.02	-5.9	7.5	9.1	0.4
2	1.18	1.26	3.1	7.16	-3.8	6.9	14.21	12.55	1.7	18.35	-5.6	7.3	8.7	1.4
3	2.01	1.49	3.1	7.59	-3.8	6.9	15.01	13.33	1.4	19.02	-5.4	6.8	8.5	2.4
4	2.41	2.31	2.6	8.21	-4.0	6.6	15.40	14.05	1.2	19.40	-4.6	5.8	7.2	3.4
5	3.20	2.51	2.4	8.49	-4.3	6.7	16.19	14.43	1.1	20.17	-4.0	5.1	6.7	4.4 ♃
6	3.59	3.01	1.9	9.14	-4.5	6.4	17.01	15.25	0.9	21.05	-3.4	4.3	6.4	5.4
7	4.39	3.39	1.3	9.39	-4.7	6.0	17.44	16.18	-0.2	21.47	-2.8	2.6	6.0	6.4
8	5.21	3.56	0.7	10.41	-4.5	5.2	18.32	17.25	-0.5	22.55	-2.1	1.6	5.2	7.4 ♄
9	6.07	4.29	0.2	11.29	-4.6	4.8	19.24	19.38	-0.3	24.32	-1.6	1.3	4.8	8.4
10	6.56	5.11	-0.3	12.36	-4.6	4.3	20.19	20.00	-0.3	25.05	-2.6	2.3	4.3	9.4
11	7.50	6.34	-1.3	13.04	-4.7	3.4	21.18	20.28	1.0	26.43	-3.0	4.0	5.7	10.4
12	8.48	8.06	-1.1	13.46	-4.1	3.0	22.17	21.55	0.7	27.50	-3.4	4.1	4.8	11.4
13	9.47	9.29	-0.7	15.26	-4.0	3.3	23.16	22.23	1.6	28.18	-3.7	5.3	7.6	12.4
14	10.47	10.27	0.3	16.12	-4.0	3.7	24.12	23.41	2.0	29.25	-3.7	5.7	9.0	13.4
15	11.45	11.19	0.9	17.03	-4.0	4.9							4.9	14.4 ○
16	12.40	12.55	2.3	18.10	-4.7	7.0	1.06	0.42	2.3	6.06	-4.1	6.4	7.0	15.4
17	13.32	13.38	2.7	18.43	-5.1	7.8	1.57	0.54	3.4	6.31	-5.6	9.0	9.0	16.4 P
18	14.23	14.25	2.9	19.25	-5.3	8.2	2.48	1.32	3.6	7.26	-6.6	10.2	10.2	17.4
19	15.13	15.13	2.1	20.08	-4.7	6.8	3.38	2.09	3.7	8.24	-6.7	10.4	10.4	18.4
20	16.03	15.40	1.6	21.05	-4.4	6.0	4.30	2.52	3.2	9.21	-6.4	9.6	9.6	19.4
21	16.56	16.30	0.7	22.00	-3.8	4.5	5.23	3.20	2.2	10.00	-6.7	8.9	8.9	20.4
22	17.51						6.20							21.4 ♑
23	18.48						7.17							22.4
24	19.46						8.14							23.4
25	20.43	The clock was out of order.					9.10	The clock was out of order.						24.4
26	21.37						10.02							25.4
27	22.28						10.51							26.4
28	23.15	22.45	2.0	28.55	-4.1	6.1	11.36	19.45	0.5	15.45	-6.2		8.2	27.4
29	23.58	23.30	2.4	29.15	-4.5	6.9	12.18	10.25	1.1	16.25	-6.1		8.5	28.4
30	24.39	23.50	2.4	29.50	-4.6	7.0	12.59	10.55	1.5	16.55	-5.6		8.0	29.4 ●
31	♂						13.38	11.40	1.6	17.35	-5.2		6.8	0.8

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
SEPTEMBER, 1856. 1	1.18	0.45	2.5	6.05	−5.0	7.5	14.17	12.20	1.8	18.05	−4.8	6.6	7.5	1.8
2	1.57	1.46	2.3	7.26	−5.4	7.7	14.57	14.02	1.6	19.28	−4.6	6.2	7.7	2.8 A
3	2.37	2.14	1.9	8.10	−5.6	7.5	15.38	14.46	1.2	19.57	−4.2	5.4	7.5	3.8
4	3.18	2.33	1.4	8.43	−5.6	7.0	16.25	15.24	0.6	20.35	−3.5	4.1	7.0	4.8
5	4.01	3.06	0.8	9.07	−5.6	6.4	17.14	16.03	0.1	21.14	−3.0	3.1	6.4	5.8
6	4.48	3.25	0.4	10.00	−5.4	5.8	18.07	17.01	−0.2	22.27	−2.2	2.0	5.8	6.8
7	5.39	3.57	−0.4	11.09	−5.3	4.9	19.03	18.35	−0.5	24.16	−1.9	1.4	4.9	7.8 ☽
8	6.34	4.32	−1.0	12.37	−5.1	4.1	20.01	20.28	−0.3	26.29	−2.1	1.8	4.8	8.8
9	7.31	6.10	−1.4	13.56	−5.4	4.0	20.59	22.02	0.1	27.43	−2.7	2.8	5.5	9.8
10	8.30	8.29	−1.0	15.19	−5.8	4.8	21.55	22.40	0.7	28.10	−3.5	4.2	6.5	10.8
11	9.28	9.21	−0.3	15.41	−6.6	6.3	22.50	23.02	1.4	28.53	−4.2	5.6	8.0	11.8
12	10.24	10.24	0.7	16.24	−6.9	7.6	23.43	23.50	2.5	29.41	−5.1	7.6	9.4	12.8
13	11.17	11.32	1.7	17.28	−7.0	8.7							8.7	13.8
14	12.09	12.19	2.6	18.10	−6.7	9.3	0.35	0.31	3.3	6.21	−5.8	9.1	10.0	14.8 ○
15	13.01	13.18	3.3	18.54	−6.3	9.6	1.27	0.57	3.6	6.57	−6.7	10.3	10.3	15.8 P
16	13.53	14.11	3.3	19.42	−5.5	8.8	2.20	1.30	3.7	7.30	−7.3	11.0	11.0	16.8
17	14.48	14.55	2.8	20.35	−4.6	7.4	3.16	2.13	3.4	8.14	−7.5	10.9	10.9	17.8
18	15 43	16.02	2.1	21.33	−4.0	6.1	4.12	2.46	2.6	9.11	−7.4	10.0	10.0	18.8
19	16.41	17.05	1.4	23.11	−3.3	4.7	5.10	3.19	1.5	9.49	−6.7	8.2	8.2	19.8
20	17.10	17.49	0.6	24.24	−2.4	3.0	6.09	4.02	0.4	10.38	−6.2	6.6	6.8	20.8 ☾
21	18.38	—	—	—	—	—	7.06	4.50	−0.4	12.00	−4.8	4.4	—	21.8
22	19.33	20.04	0.0	26.29	−3.3	3.3	7.59	5.33	−1.5	12.47	−5.0	3.5	5.0	22.8
23	20.25	21.47	0.0	27.32	−3.9	3.9	8.49	7.27	−1.5	14.07	−5.3	3.8	5.3	23.8
24	21.13	22.35	0.4	28.40	−4.6	5.0	9.34	9.11	−1.0	15.21	−5.6	4.6	6.0	24.8
25	21.56	23.08	0.8	29.08	−5.0	5.8	10.17	10.09	−0.2	16.19	−5.8	5.6	6.6	25.8
26	22.38	23.42	1.0	29.22	−5.6	6.6	10.58	10.52	0.4	16.57	−5.8	6.2	6.8	26.8
27	23.18	23.59	1.2	29.49	−5.8	7.0	11.37	11 26	0.5	17.35	−5.7	6.2	7.0	27.8
28	23.57						12.16	12.13	0.9	17.53	−5.4	6.3	6.3	28.8 ●
29		0.17	1.1	6.27	−6.1	7.2	12.56	12.42	1.3	18.22	−4.8	6.1	7.4	0.1 A
30	0.36	0.46	1.5	6.56	−6.1	7.6	13.38	13.15	1.4	18.45	−4.6	7.5	7.5	1.1
OCTOBER, 1856. 1	1.16	0.59	1.3	7.04	−6.2	7.5	14.22	13.38	1.4	19.08	−4.2	5.6	7.6	2.1
2	1.53	1.29	1.3	7.27	−6.5	7.8	15.09	14.16	1.2	19.51	−4.1	5.3	7.8	3.1
3	2.33	1.40	0.9	7.55	−6.5	7.1	16.00	14.54	0.7	20 24	−3.6	4.3	7.2	4.1
4	3.33	2.03	0.3	8.25	−6.4	6.7	16.54	15.27	0.2	21.22	−3.3	3.5	6.7	5.1
5	4.26	2.31	−0.5	9.01	−6.4	5.9	17.49	16.51	−0.4	22.05	−2.8	2.4	6.0	6.1
6	5.21	3.09	−1.0	9.49	−5.8	4.8	18.46	17.23	−0.6	23.33	−2.6	2.0	5.2	7.1 ☽
7	6.18	3.57	−1.8	11.22	−5.5	3.7	19.41	19.01	−0.6	25.01	−3.3	2.9	4.9	8.1
8	7.11	5.25	−2.1	12.50	−5.7	3.6	20.35	20.34	0 2	26.34	−3.4	3.2	5.5	9.1
9	8.09	8.04	−1.3	13.49	−5.7	4.4	21.28	21.38	0.4	27.28	−4.6	5.0	6.1	10.1
10	9.02	9.07	−0.4	15.07	−6.2	5.8	22.19	22.11	1.0	28.16	−5.6	6.6	7.2	11.1
11	9.54	10.15	0.6	15.55	−6.2	6.8	23.11	22.49	1.7	28.43	−6.7	8.4	8.4	12.1
12	10.45	11.08	1.6	16.43	−6.2	7.8	24.04	23.22	2.5	29.22	−7.5	10.0	10.0	13.1
13	11.36	12.31	3.1	17.56	−6.0	9.1							9.1	14.1 ☉ P
14	12.30	13.00	3.3	18.56	−5.6	8.9	0.59	0.04	2.8	6.24	−8.4	11.2	11.7	15.1
15	13.27	13.38	2.6	19.33	−5.0	7.6	1.57	0.42	2.6	6.52	−8.7	11.3	11.3	16.1
16	14.26	14.26	1.9	20.16	−4.7	6.6	2.57	1.10	2.0	7.35	−8.7	10.7	10.7	17.1
17	15.27	15.14	1.5	20.54	−4.6	6.1	3.58	1.48	1.1	7.48	−8.7	9.8	10.2	18.1
18	16.28	15.57	0.7	22.17	−3.9	4.6	4.57	2.16	0.3	8.51	−7.7	8.0	8.4	19.1
19	17.27	17.00	0.3	23.35	−3.6	3.9	5.53	3.09	−0.3	9.44	−6.3	6.0	6.6	20.1
20	18.21	18.03	−0.2	24.38	−3.6	3.8	6.45	4.07	−1.4	11.17	−5.6	4.2	5.4	21.1 ☾
21	19.10	19.35	0.2	25.08	−3.7	3.9	7.33	5.24	−1.7	12.39	−4.7	3.0	4.9	22.1
22	19.56	20.31	0.3	27.16	−4.4	4.7	8.16	7.42	−1.5	13.47	−4.6	3.1	4.9	23.1
23	20.38	21.14	0.6	27.54	−4.7	5.3	8.58	9.05	−0.8	14.45	−4.6	3.8	5.3	24.1
24	21.18	21.52	0.7	28.52	−5.3	6.0	9.37	9.53	−0.1	15.38	−4.5	4.4	6.0	25.1
25	21.57	22.25	0.9	29.15	−5.6	6.5	10.16	10.31	0.4	16.26	−4.5	4.9	6.5	26.1
26	22.35	22.58	1.1	29.08	−6.1	7.2	10.55	11.24	0.8	17.04	−4.5	5.1	7.2	27.1 A
27	23.15	23.21	1.1	29.21	0.6	7.7	11.37	11.47	1.3	17.37	−4.2	5.5	7.9	28.1
28	23.57	23.44	1.0	29 49	−6.9	7.9	12.20	12.20	1.4	18.15	−4.2	5.6	8.3	29.1 ●
29							13.07	12 13	1.6	18.38	−4.1	5.7	5.7	0.4
30	0.12	0.12	1.0	6.27	−6.8	7.8	13.56	13.21	2.0	19.11	−3.4	5.4	8.8	1.4
31	1.30	0.35	0.9	6.55	−6.7	7.6	14.99	14.04	1.8	19.39	−3.2	5.0	8.5	2.4

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
NOVEMBER, 1856. 1	2.22	1.18	0.8	7.23	-6.3	7.1	15.44	14.52	1.8	20.92	-2.9	4.7	8.1	3.4
2	3.16	1.46	0.4	8.06	-6.1	6.5	16.39	15.20	1.3	21.05	-2.7	4.0	7.4	4.4
3	4.11	2.19	0.0	8.54	-5.6	5.6	17.33	16.03	0.8	22.03	-2.6	3.4	6.4	5.4
4	5.06	3.04	-0.7	9.14	-5.4	4.7	18.26	16.44	0.5	23.39	-2.6	3.1	5.9	6.4
5	6.00	4.13	-1·2	10.48	-4.8	3.6	19.17	18.08	0.6	25.08	-3.0	3.6	5.4	7.4 ☽
6	6.52	5.47	-1.4	12.17	-4.5	3 1	20.06	19.17	0.8	26.12	-3.8	4.6	5.3	8.4
7	7.42	8.01	-0.3	13.41	-4.3	4.0	20.56	20.31	1.4	27.06	-4.6	6.0	6.9	9.4
8	8.31	9.20	0.7	14.55	-4.0	4.7	21.47	21.30	2.0	27.55	-5.6	7.6	10.4	
9	9.21	10·29	1.7	15.44	-4.1	5.8	22.10	21.49	2.2	28.29	-6.8	9.0	9.0	11 4
10	10.13	11.08	2.5	16.13	-4.1	6.6	23.37	22.33	2.5	29.03	-7.4	9.9	9.9	12.4 P
11	11.07	11.52	3.6	17.27	-3.9	7.5	24.37	23.17	2.6	29.37	-7.9	10.5	11.5	13.4
12	12.06	12.41	3.9	18.16	-3.6	7.5	25.39	23.56	2.5	30.25	-8.1	10.6	12.0	14.4 ○
13	13.08	13.30	4.2	19.10	-3.6	7.8							7.8	15.4
14	14.11	14.14	3.6	20.04	-3.6	7.2	2.41	0.44	2.0	7.04	-7.7	9.7	11.3	16.4
15	15.12	15.04	3.1	21.08	-3.2	6.3	3.41	1.39	1.5	7.31	-6.8	8.3	9.9	17.4
16	16.10	15.46	2.0	22.16	-3.0	5.0	4.36	1.55	0.8	8.42	-6.3	7.1	8.3	18.4
17	17.03	16.39	1.3	23.39	-3.0	4.3	5.27	2.50	-0.1	9.15	-5.6	5.5	6.9	19.4
18	17.51	17.39	0.8	24.39	-3.2	4.0	6.13	3.58	-0.8	10.02	-4.7	3.9	5.5	20.4
19	18.35	18.44	0.6	25.04	-3.4	4.0	6.55	5.10	-1.4	11.30	-3.7	2.3	4.3	21.4 ☾
20	19.16	19.22	0.5	26.32	-4.0	4.5	7.36	6.53	-1.4	13.08	-3.3	1.9	4.5	22.4
21	19.55	20.25	0.5	26.55	-4.7	5.2	8.15	8.31	-0.7	14.06	-3.2	2.5	5.2	23.4
22	20.34	20.57	0.5	27.17	-5.4	5.9	8.54	9.44	0.0	15.03	-3.1	3.1	5 9	24.4
23	21.14	21.50	0.3	27.55	-6.0	6.3	9.34	10.36	0.1	15.56	-3.3	3.4	6.9	25.4 A
24	21.55	22.18	0.2	28.28	-6.6	6.8	10.17	11.14	0.4	16.54	-3.6	4.0	7.0	26.4
25	22.39	22.51	0.1	28.46	-7.5	7.6	11.03	11.47	0.6	17.27	-3.7	4.3	8.1	27.4
26	23.26	23.18	0.0	29.23	-7.6	7.6	11.52	12.25	1.0	18.09	-4.0	5.0	8.6	28.4
27	24.17	23.50	0.1	30.14	-7.2	7.3	12.44	12.52	1.2	18.52	-3.9	5.1	8.4	29.4 ●
28							13.39	13.09	2.0	19.04	-3.2	5.2	5.2	0.6
29	1.11	0.03	0.5	6.33	-6.6	7.1	14.34	14.07	2.1	19.42	-3.2	5.3	8.7	1.6
30	2.07	0.56	0.7	7.06	-6.3	7.0	15.29	14.40	2.5	20.25	-3.3	5.8	8.8	2.6
DECEMBER, 1856. 1	3.02	1.29	1.2	7.34	-6.0	7.2	16.22	15.23	2.5	21.03	3.1	5.6	8.5	3.6
2	3.56	2.11	0.7	8.01	-5.3	6.0	17.12	15.40	2.1	22.06	2.7	4.8	7.4	4.6
3	4.48	3.14	0.3	8.24	-3.6	3.9	18.01	16.16	0.2	23.02	3.3	3.2	6.9	5.6
4	5.37	4.42	0.1	9.27	-3.6	3.5	18.49	16.41	0.9	23.50	3.5	4.4	4.6	6.6 ☽
5	6.25	6.20	0.0	11.10	-3.2	3.2	19.38	17.39	1.4	25.29	4.3	5.7	5.7	7.6
6	7.13	7.08	0.0	11.48	-3.3	3.3	20.27	18.41	1.8	25.52	4.8	6.6	6.6	8.6
7	8.01	8.01	0.1	12.46	-3.1	3.2	21.[illegible]	19.15	1.8	26.10	5.6	7.4	7.4	9.6
8	8.53	9.04	0.7	13.44	-3.1	3.8	22.18	19.43	1.6	27.23	6.1	7.7	7.7	10.6
9	9.48	10.02	1.3	14.47	-3.0	4.3	23.18	20.31	2.0	28.01	6.8	8.8	8.8	11.6 P
10	10.47	10.40	2.4	16.00	-3.0	5.4	24.21	21.44	2.1	28.19	7.5	9.6	9.9	12.6
11	11.49	11.38	2.8	17.08	-3.2	6.0	25.23	23.55	1.8	30.29	6.8	8.6	9.6	13.6 ○
12	12.53	13.34	4.0	19.24	-3.1	7.1							7.1	14.6
13	13.54	14.18	3.6	20.08	-3.5	7.1	2.22	0.37	1.8	7.02	6.8	8.6	10.1	15.6
14	14.50	15.06	3.2	21.01	-3.5	6.7	3.16	1.30	1.4	7.40	6.8	8.2	10.0	16.6
15	15.42	15.59	2.7	21.49	-3.5	6.2	4.05	2.13	1.0	8.23	6.0	7.0	8.7	17.6
16	16.29	16.37	2.3	22.37	-3.3	5.6	4.50	2.56	0.6	9.11	5.2	5.8	7.5	18.6
17	17.11	17.10	2.0	23.25	-3.2	5.2	5.31	3.44	0.3	10.04	4.0	4.3	6.0	19.6
18	17.52	17.42	1.5	24.52	-3.1	4.6	6.11	4.47	-0.4	10.42	3.2	2.8	4.7	20.6 ☾
19	18.31	18.11	1.0	25.16	-3.8	4.8	6.51	5.55	-0.5	11.25	2.5	2.0	3.8	21.6
20	19.10	18.59	0.7	25.59	-4.3	5.0	7.31	7.43	-0.4	13.08	2.0	1.6	5.0	22.6 A
21	19.51	19.42	0.3	26.57	-4.6	4.9	8.12	8.31	-0.5	14 06	1.6	1.1	4.9	23.6
22	20.33	20.40	0.1	27.50	-5.0	5.1	8.57	9.14	-0.1	14.49	2.0	1.9	5.1	24.6
23	21.22	21.24	0.3	28.19	-5.6	5.9	9.45	10.53	1.2	16.28	1.7	2.9	6.8	25.6
24	22.09	22.22	0.2	29.12	-6.1	6.3	10.36	11.41	1.5	17.36	2.3	3.8	7.6	26.6
25	23.03	23.10	0.5	29.20	-6.2	6.7	11.31	12.09	1.7	18.19	2.4	4.1	7.9	27.6
26	23.59	23.43	0.7	29.58	-6.6	7.3	12.27	12.47	2.3	18.42	2.7	5.0	8.9	28.6
27							13.23	13.36	2.6	19.21	2.9	5.5	4.9	29.6 ●
28	0.57	0.15	1.0	6.33	-6.5	7.5	14.18	14.19	3.0	19.51	2.9	5.9	9.5	0.9
29	1.51	1.03	1.2	7.13	-6.4	7.6	15.09	14.43	3.0	20.33	3.1	6.1	9.4	1.9
30	2.44	1.57	1.2	7.57	-6.2	7.4	15.59	15.21	3.0	21.26	3.5	6.5	9.2	2.9
31	3.35	2.40	0.9	8.25	-6.1	7.0	16.46	16.04	2.7	22.14	4.0	6.7	8.8	3 9

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